

10

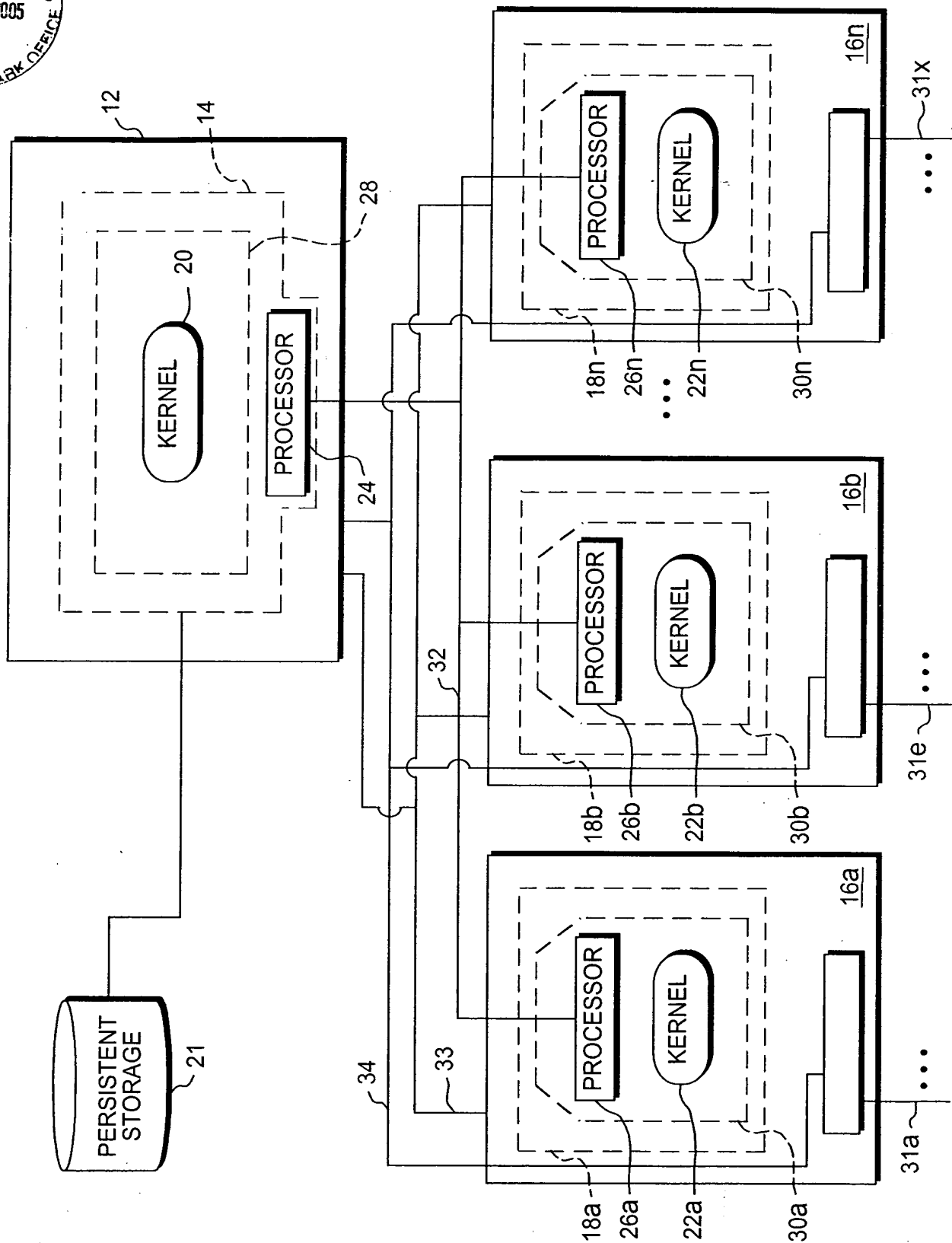
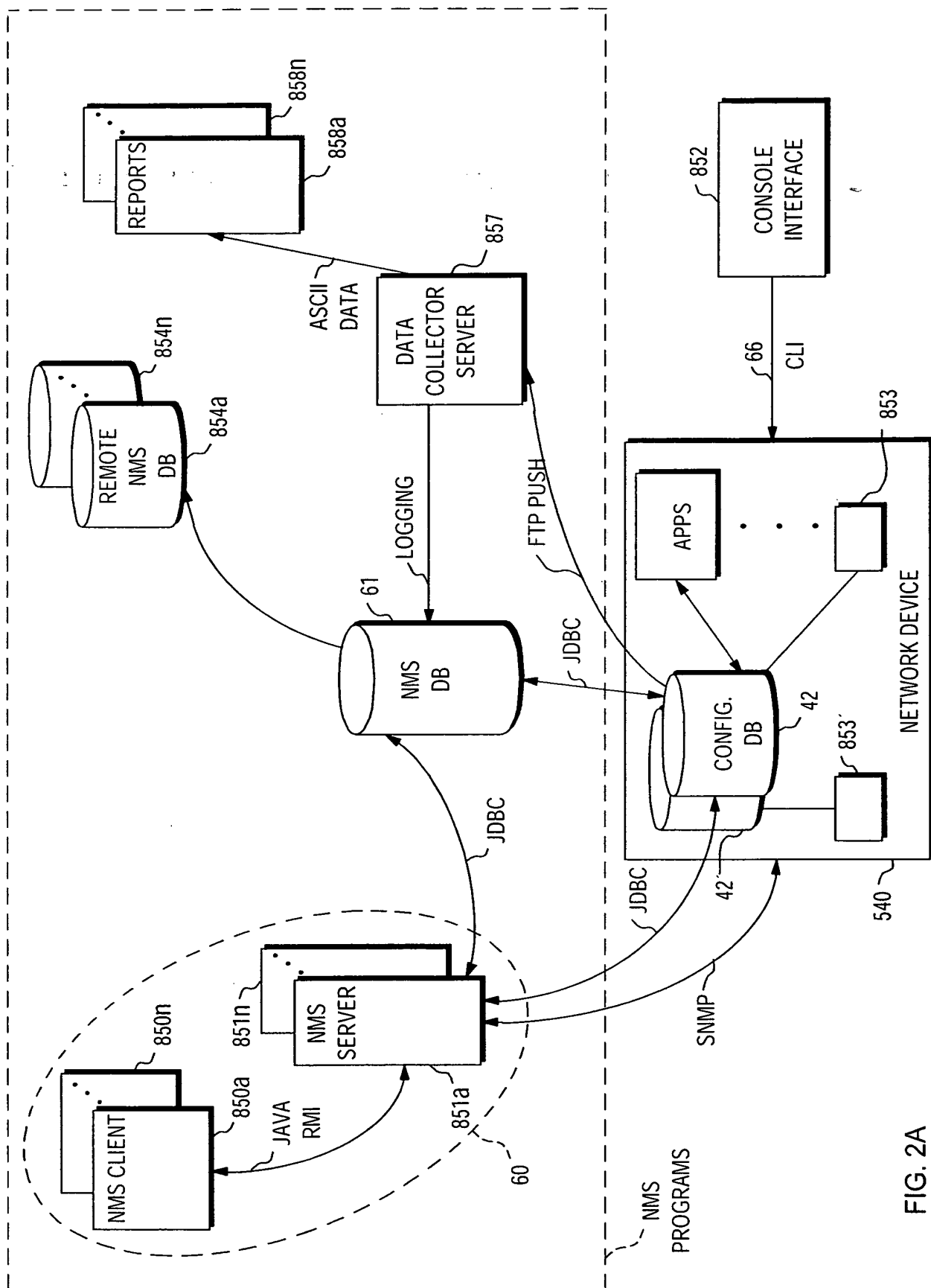


FIG. 1



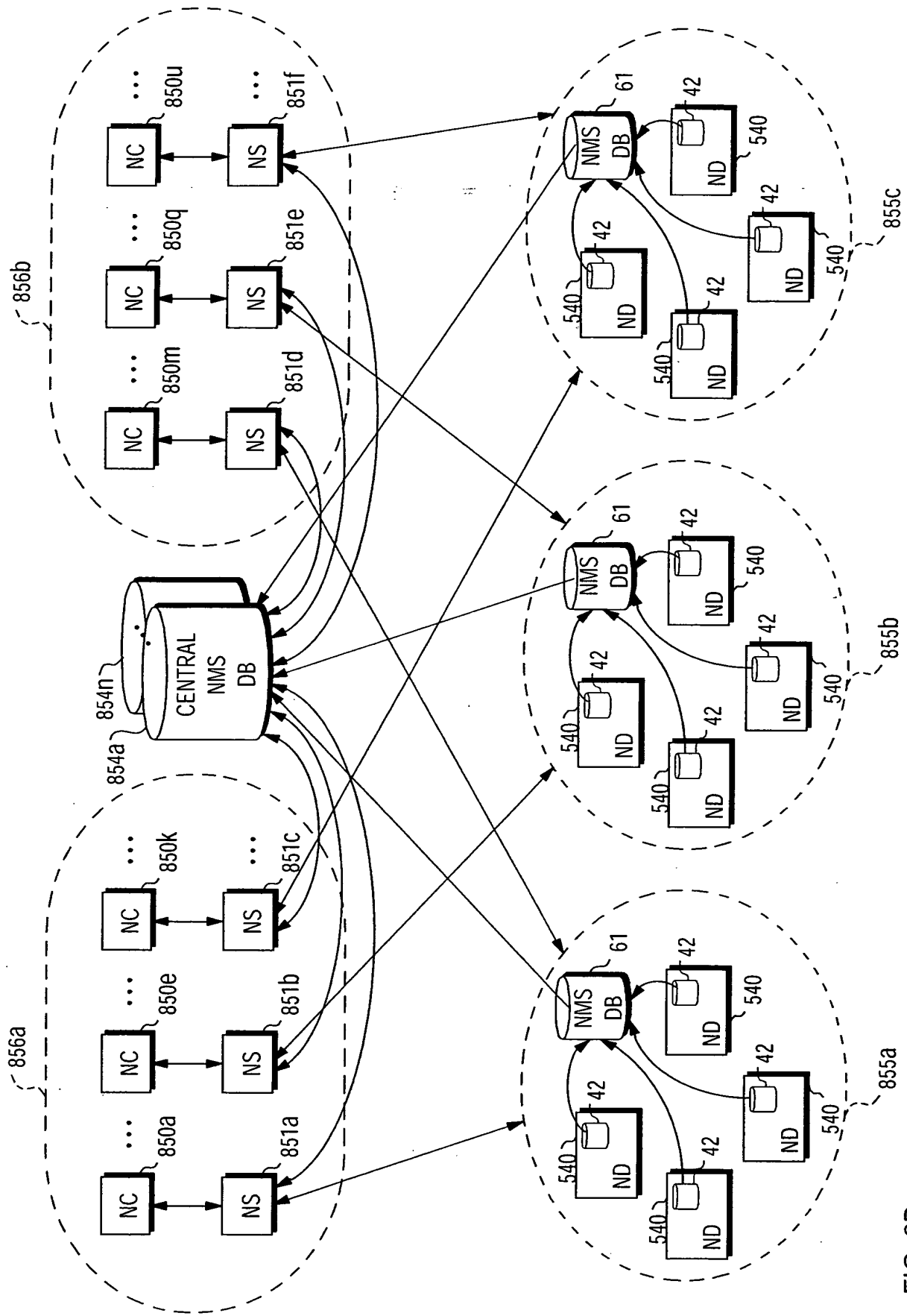


FIG. 2B

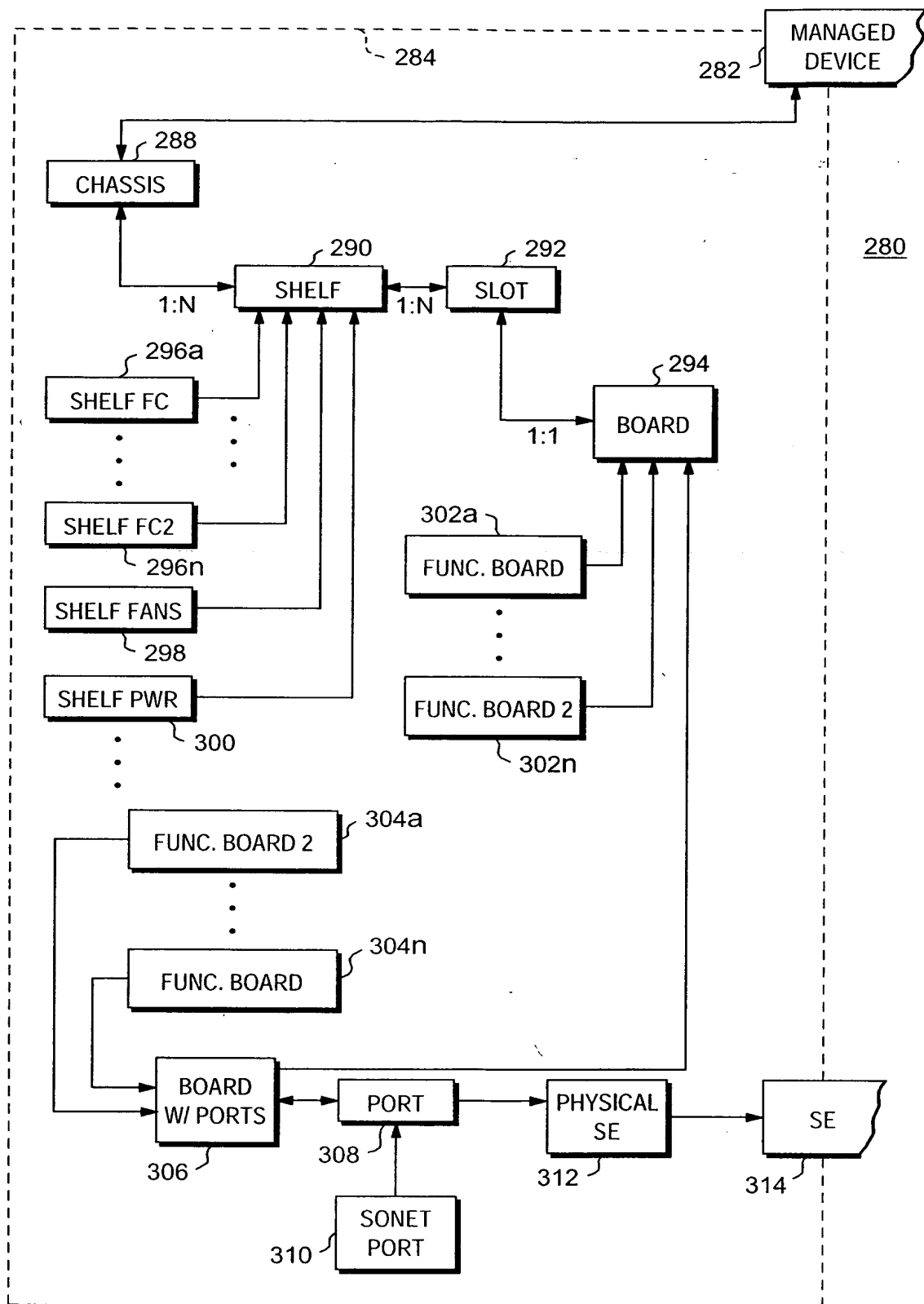


FIG. 3A

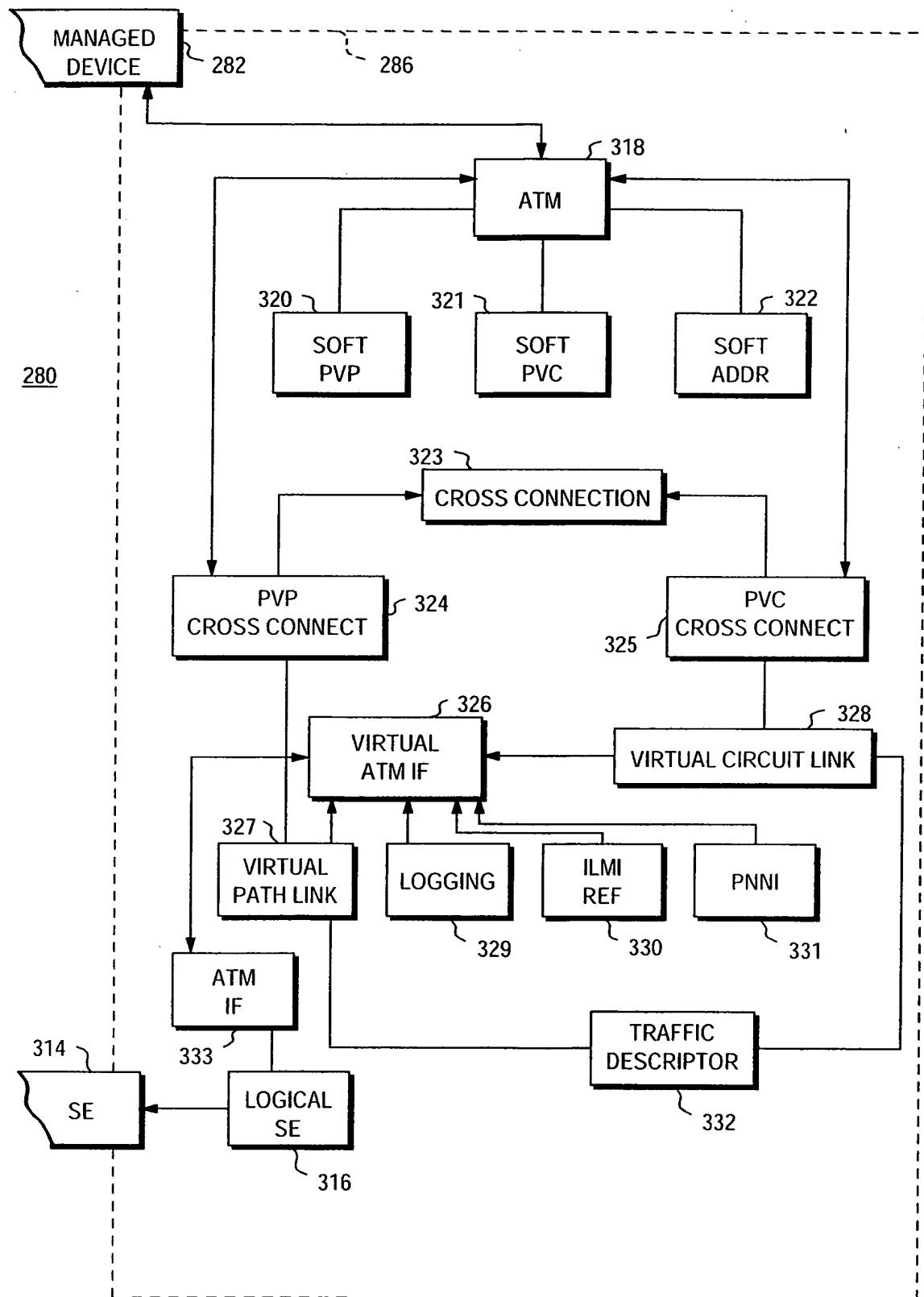


FIG. 3A CONTINUED

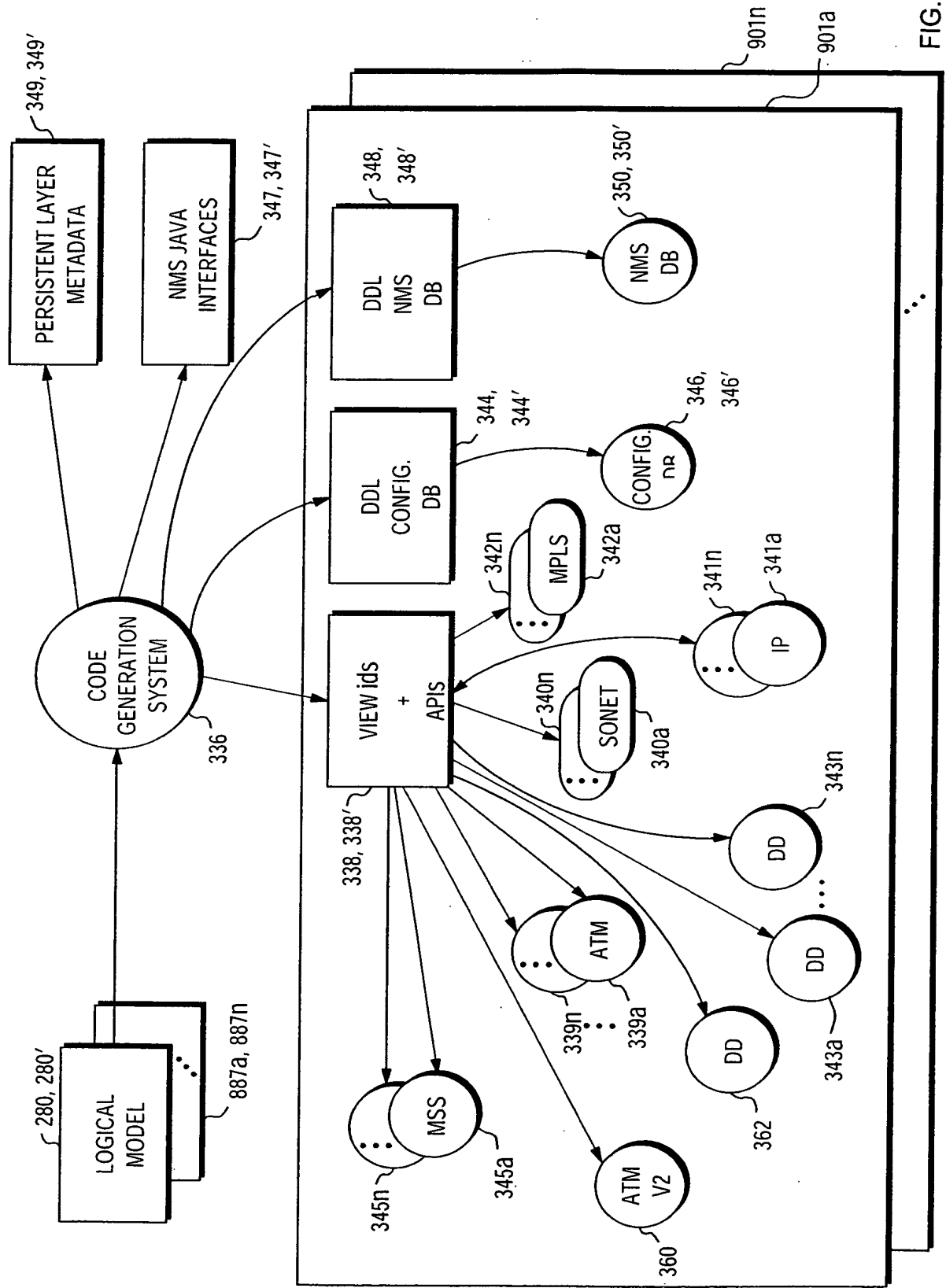


FIG. 3B

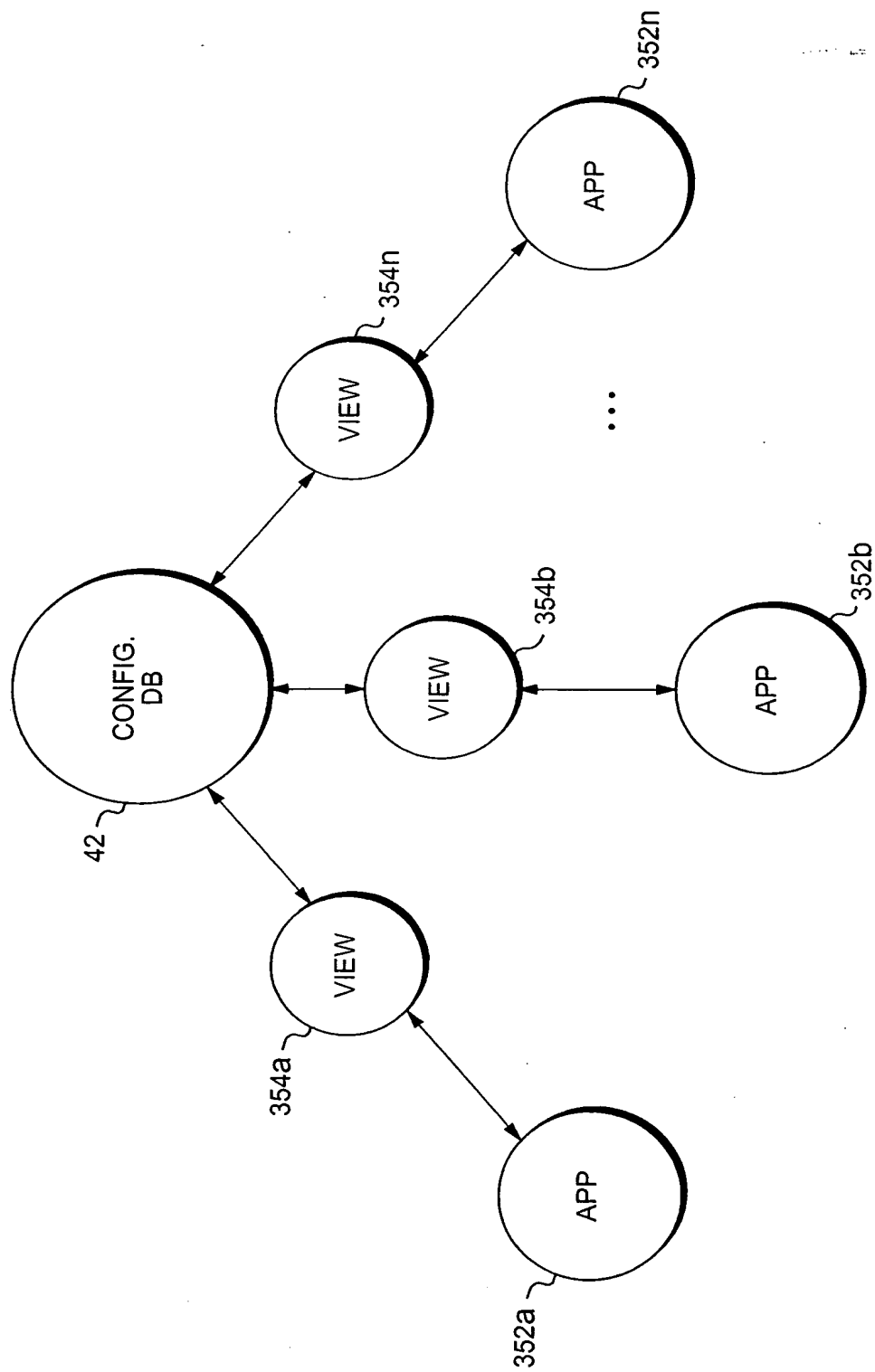


FIG. 3C

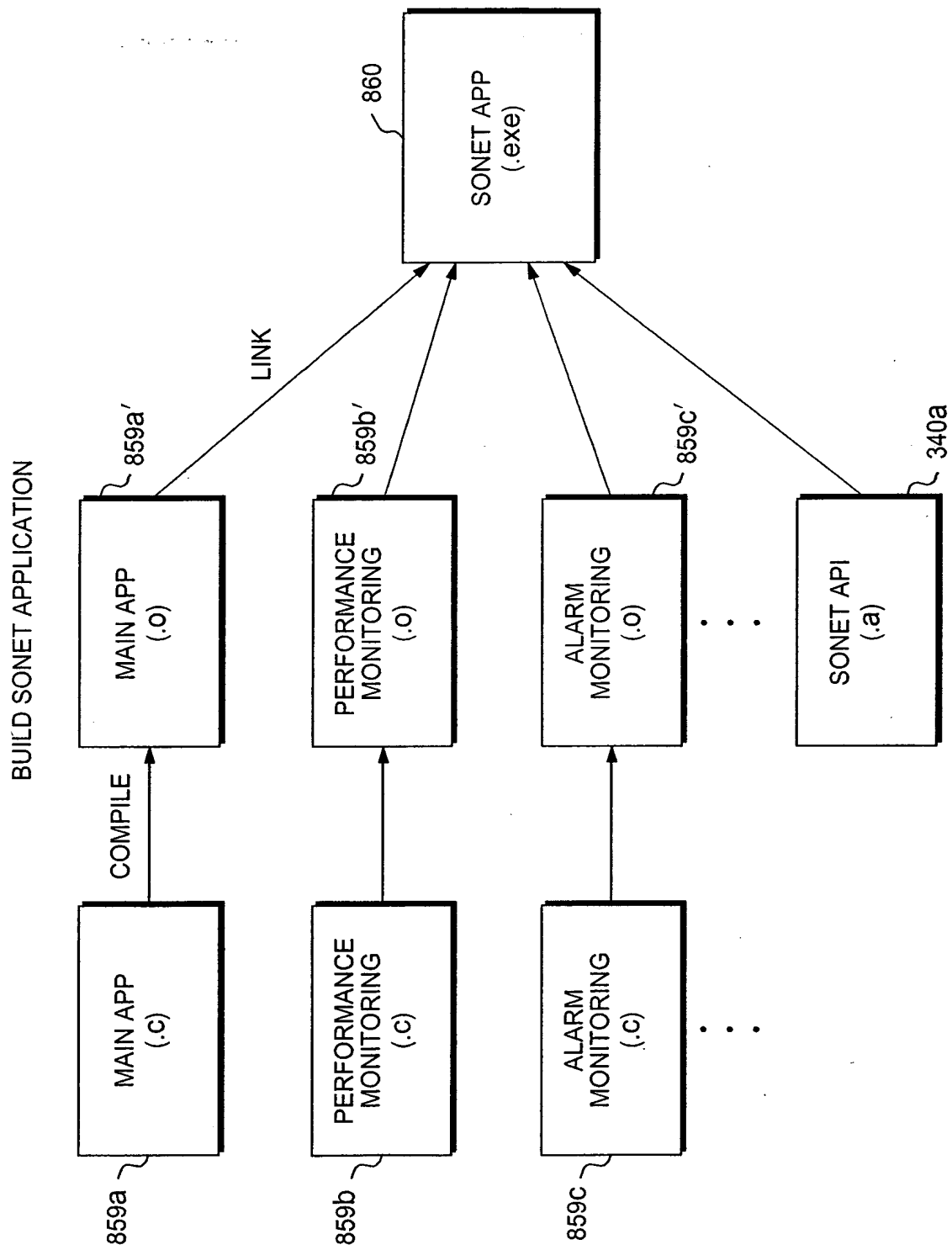


FIG. 3D



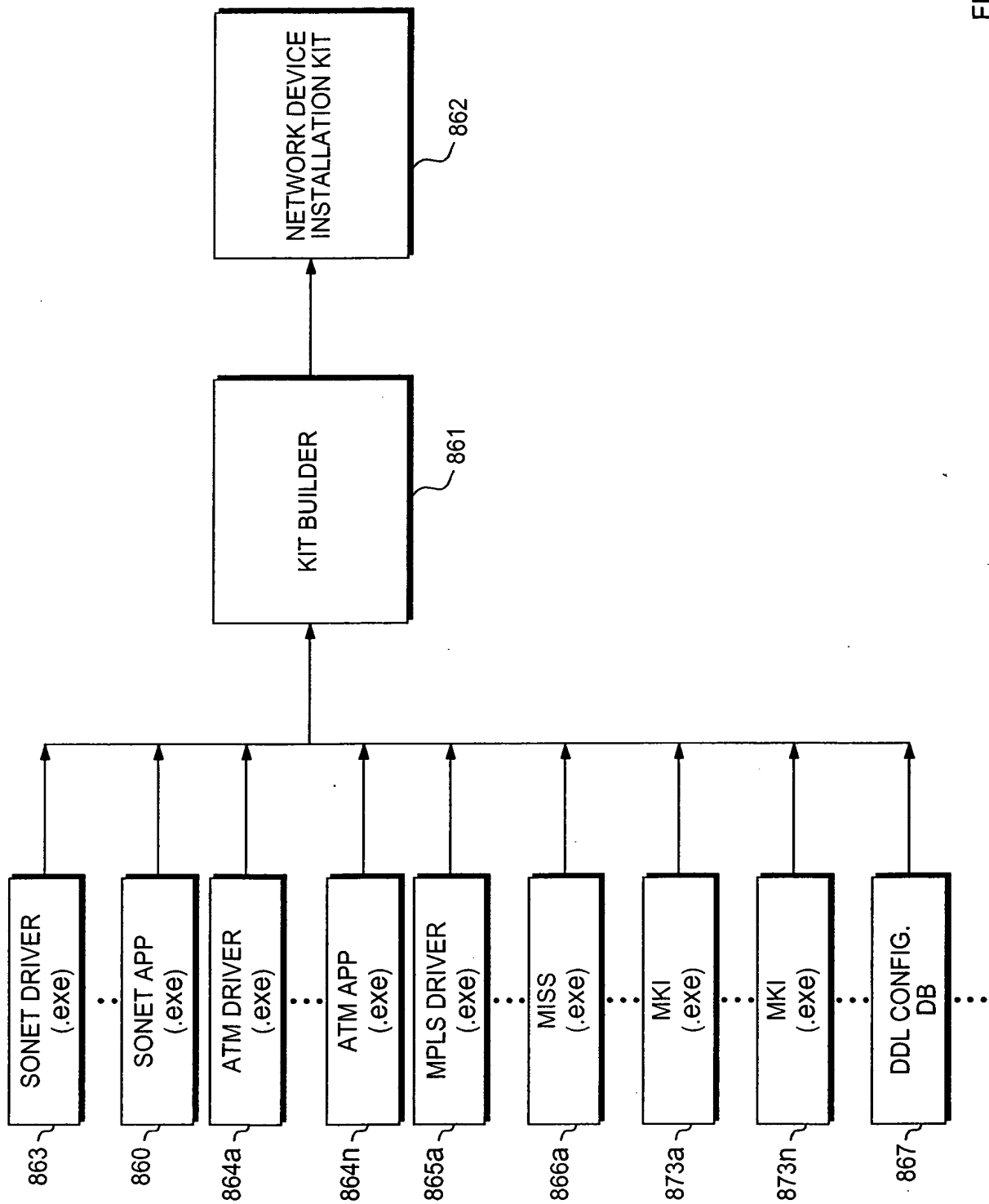


FIG. 3E

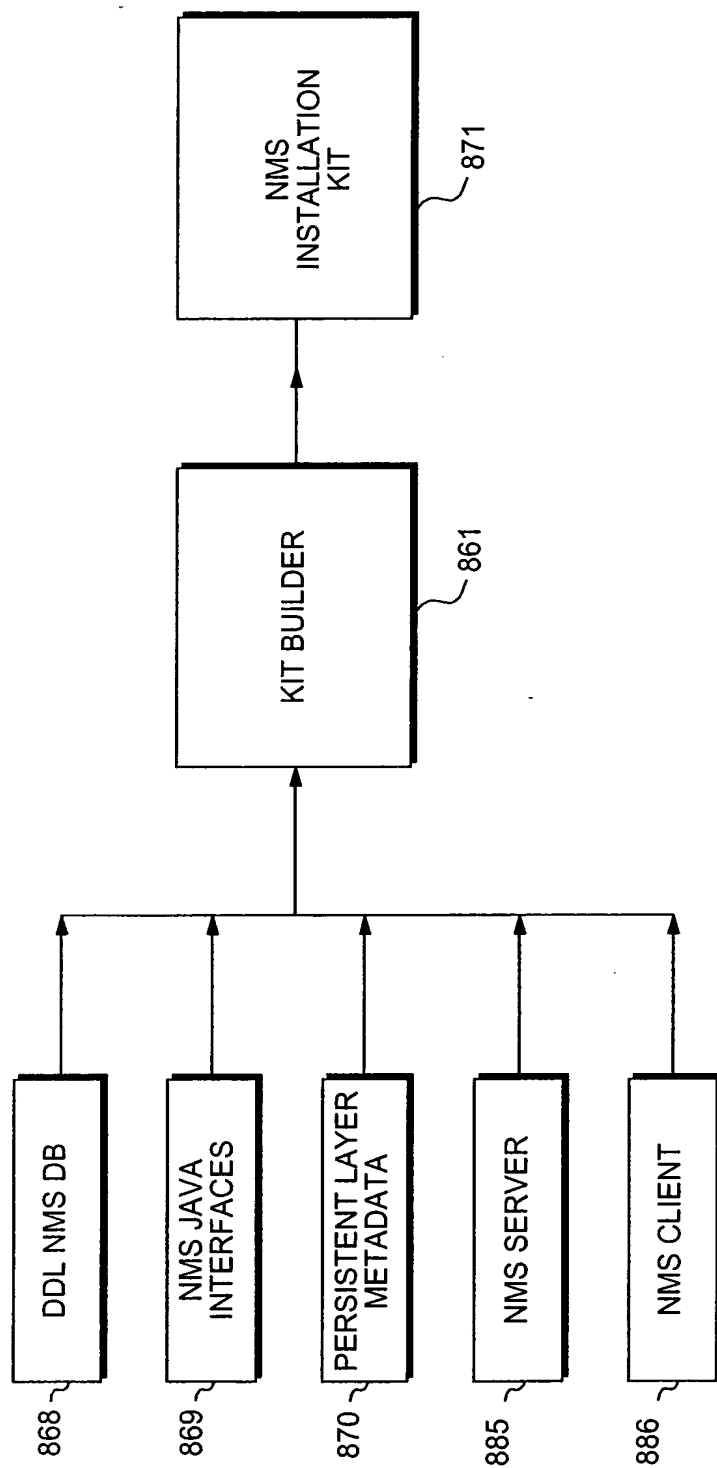


FIG. 3F

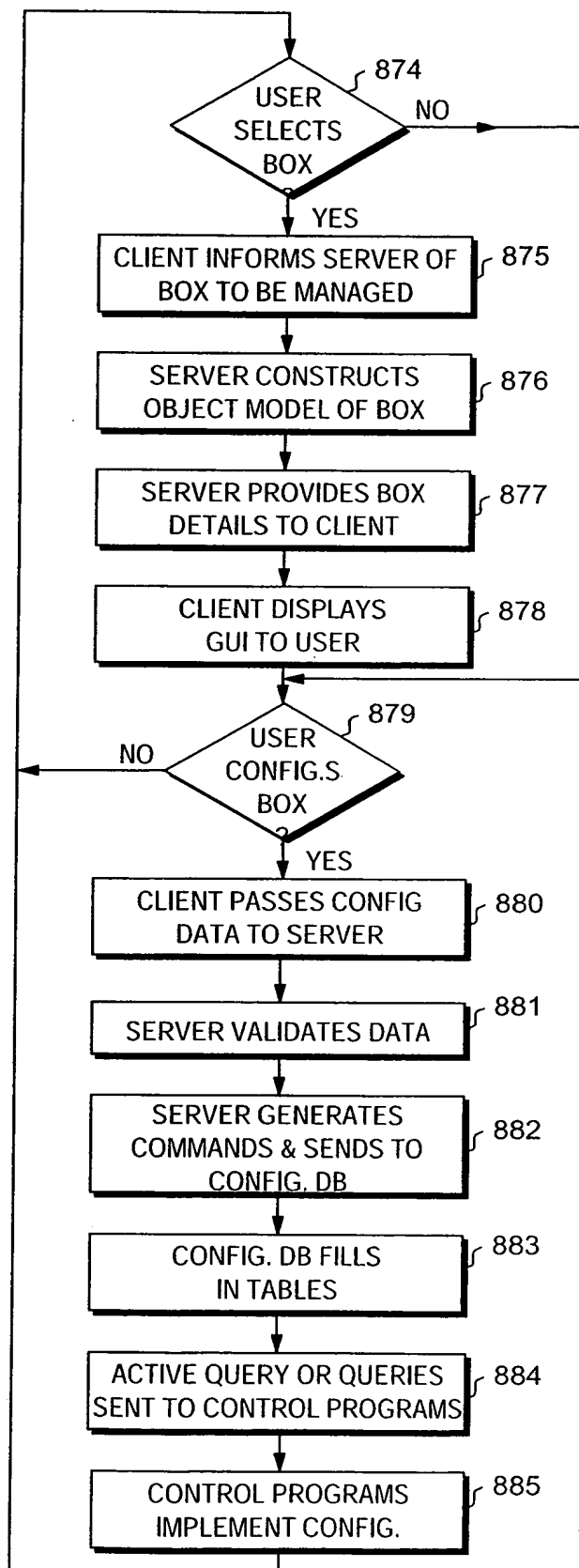


FIG. 3G

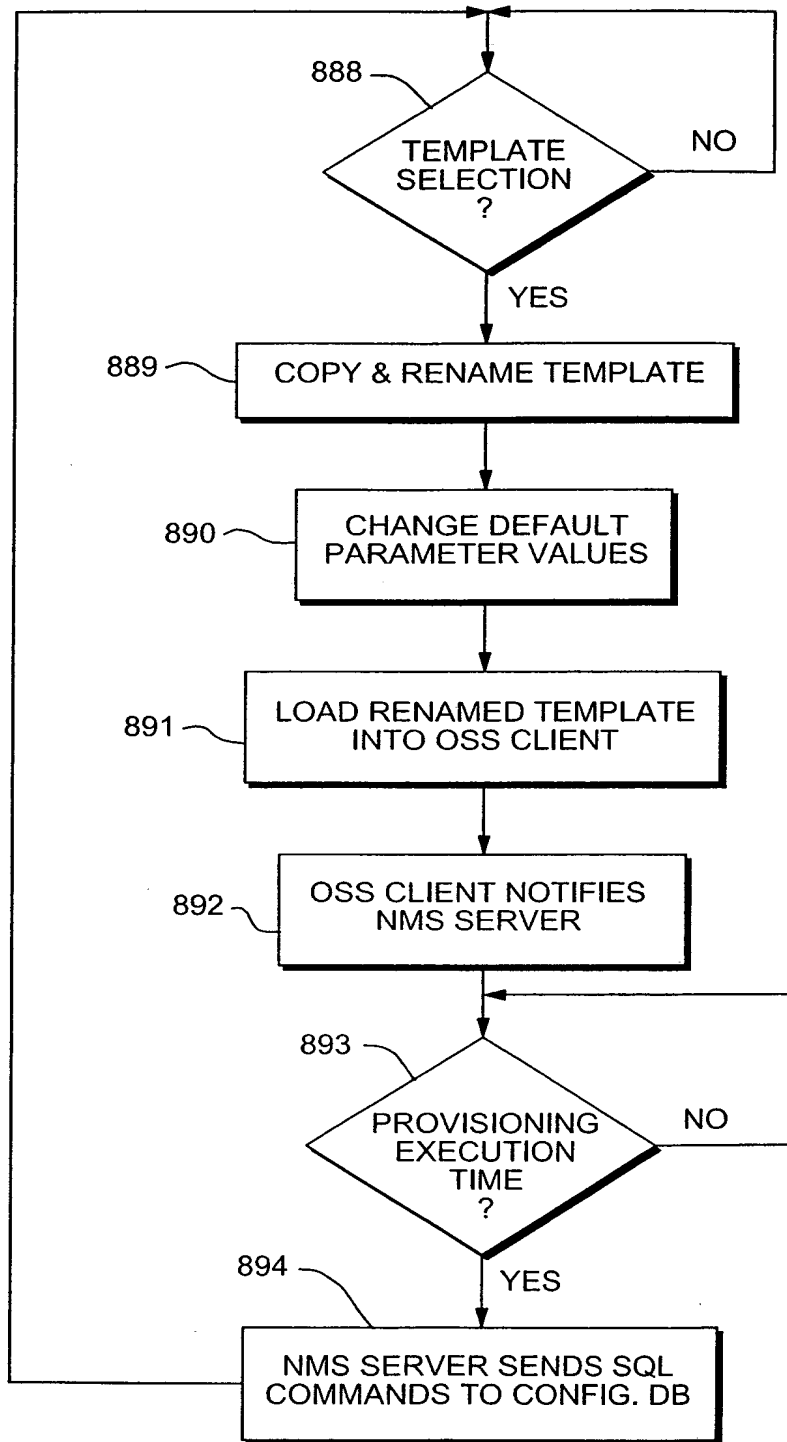


FIG. 3H

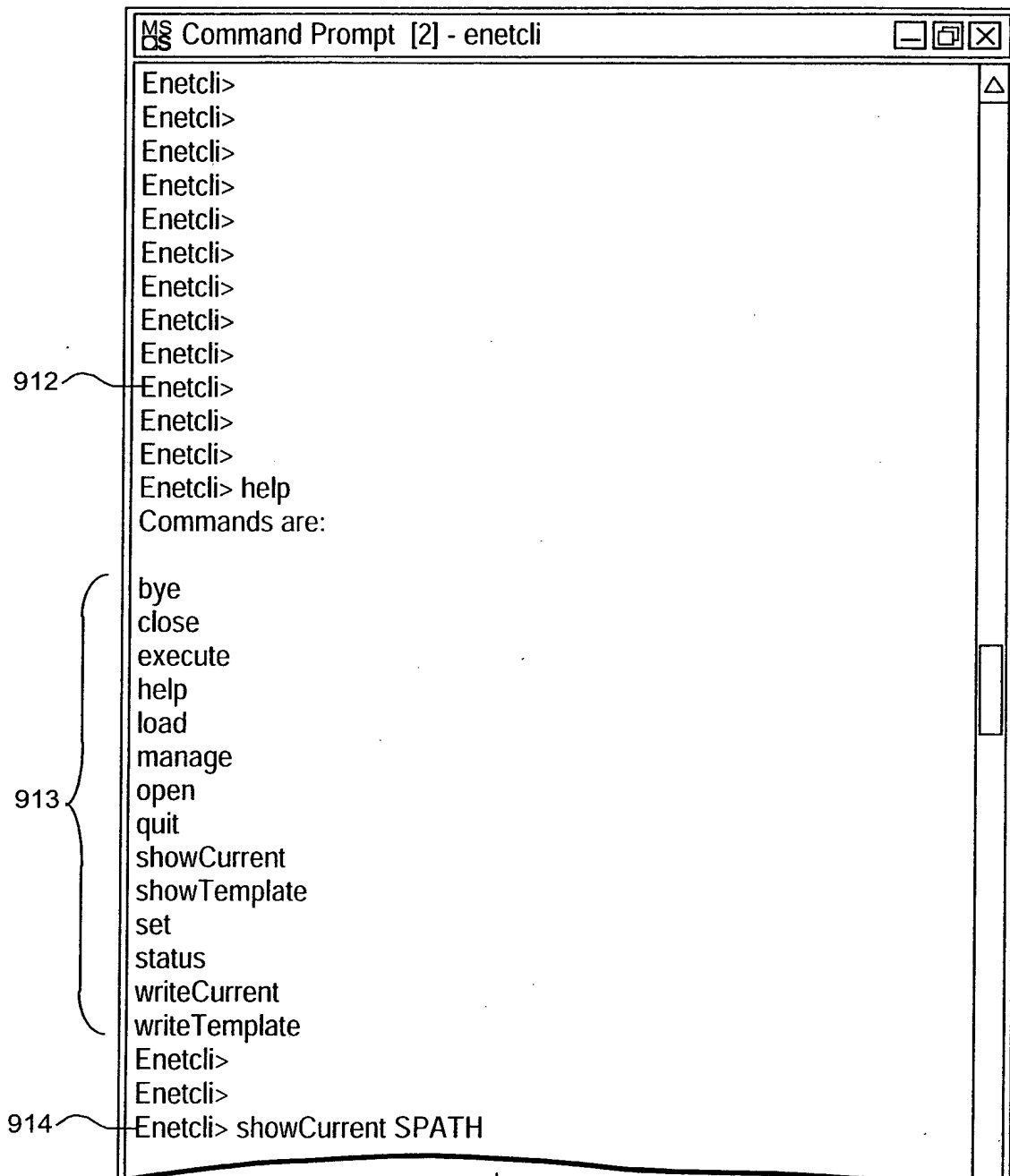


FIG. 3I CONTINUED

FIG. 3I

FROM FIG. 3I

915 { ATMIfName=ATMIf11/1/1  
Concatenated=false  
Name=Path11/1/1  
Operant=SPATH  
Operator=Create  
PortID=1  
Position=1  
Service=ATM  
ShelfID=11  
SlotID=1  
Type=Terminated  
Version=V1\_1\_0\_0  
Width=STS3  
Enetcli>  
Enetcli>  
Enetcli>

916 { Enetcli> showTemplate SPATH  
ATMIfName=<String>[TerminatedOnly]  
Concatenated=<true:false>  
Name=<String>  
Operant=SPATH  
Operator=<Create:Replace:Update:Delete>  
PortID=<Integer><1-16>  
917 { Position=<Integer>  
Service=<None :ATM>  
ShelfID=<11[top],13[bottom]>  
SlotID=<Integer><1-8>  
Type=<switched :Terminated>  
Version=V1\_1\_0\_0  
Width=<STS1:STS3:STS12:STS48>  
Enetcli>  
Enetcli>

918 { Enetcli> status  
919 { Not currently connected to server  
920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF  
Enetcli>

FIG. 3I CONTINUED

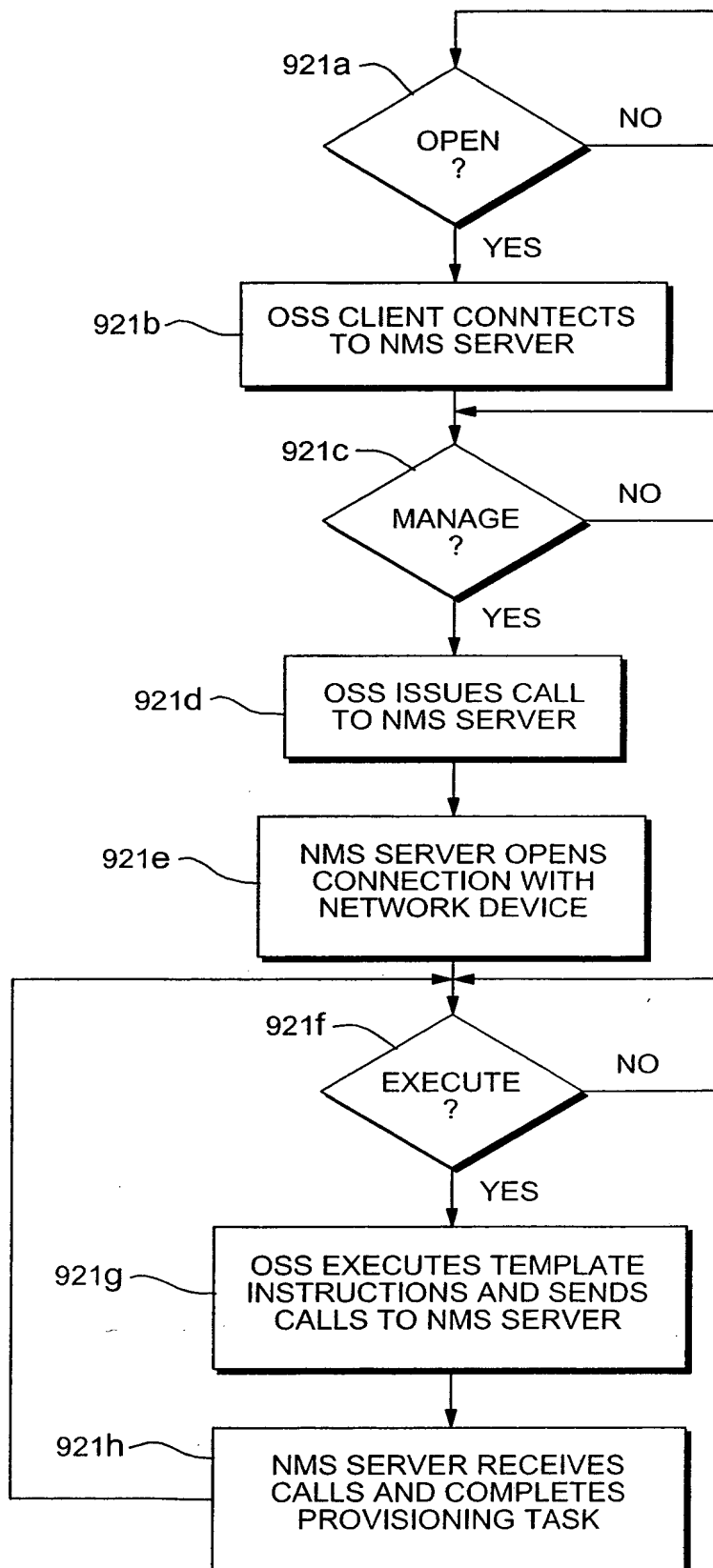


FIG. 3J

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3K



BATCH  
924  
↙

Operant=BATCH  
Operator=Execute  
Version=V1\_1\_0\_0  
924a ~ TASK1=execute-SPATH  
924b ~ TASK2=execute-PVC  
924c ~ TASK3=execute-SPVC  
924d ~ TASK4=load-SPVC-spvc1  
924e ~ TASK5=execute-SPVC  
924f ~ TASK6=load-SPVC-spvc2  
924e ~ TASK7=execute-SPVC  
.  
.  
924g ~ TASK50=set-SPATH-PortID-3  
924h ~ TASK51=execute-SPATH  
924i ~ TASK52=set-SPATH-SlotID-2  
924j ~ TASK53=execute-SPATH

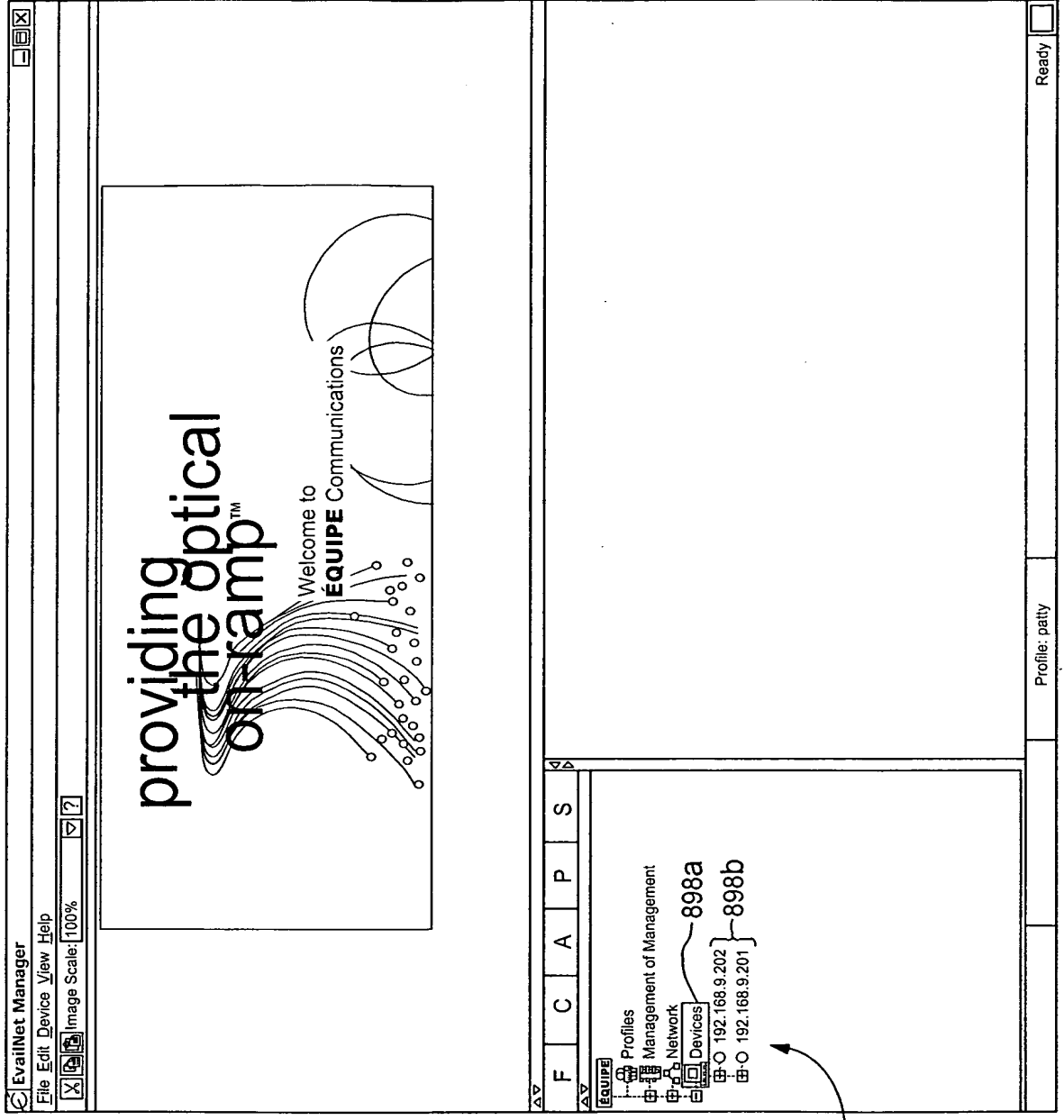
FIG. 3L

925

Operant=BATCH  
Operator=Execute  
Version=V1\_1\_0\_0  
925a ~ TASK1=execute-CONTROL  
925b ~ TASK2=execute-SPATH  
925c ~ TASK3=set-SPATH-PortID-3  
925d ~ TASK4=execute-SPATH  
.  
.  
.  
925e ~ TASK61=set-CONTROL-System-192.168.9.201  
925f ~ TASK62=execute-CONTROL  
925g ~ TASK63=execute-SPATH  
.  
.  
.  
925h ~ TASK108=close  
925i ~ TASK109=set-CONTROL-Server-Server1  
925j ~ TASK110=set-CONTROL-System-192.168.8.200  
925k ~ TASK111=execute-CONTROL  
925l ~ TASK112=execute-SPATH  
.  
.  
.

FIG. 3M

895



898

FIG. 4A

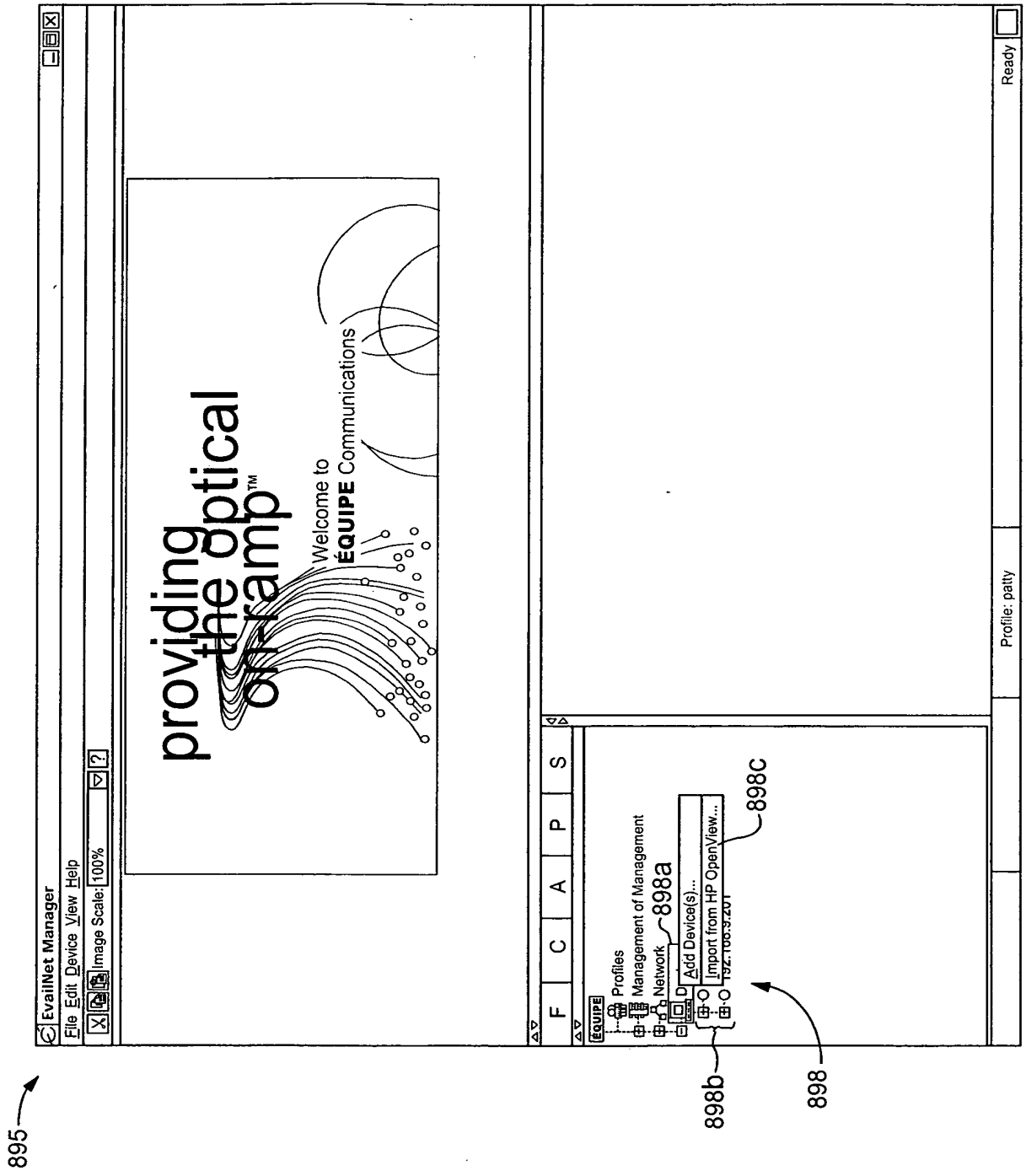


FIG. 4B

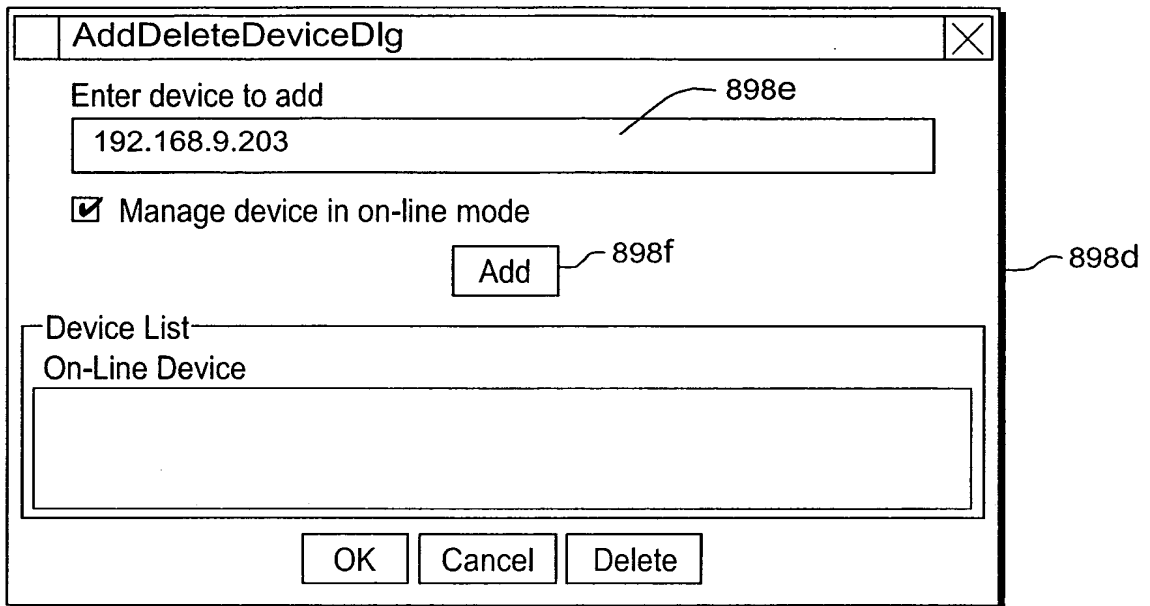


FIG. 4C

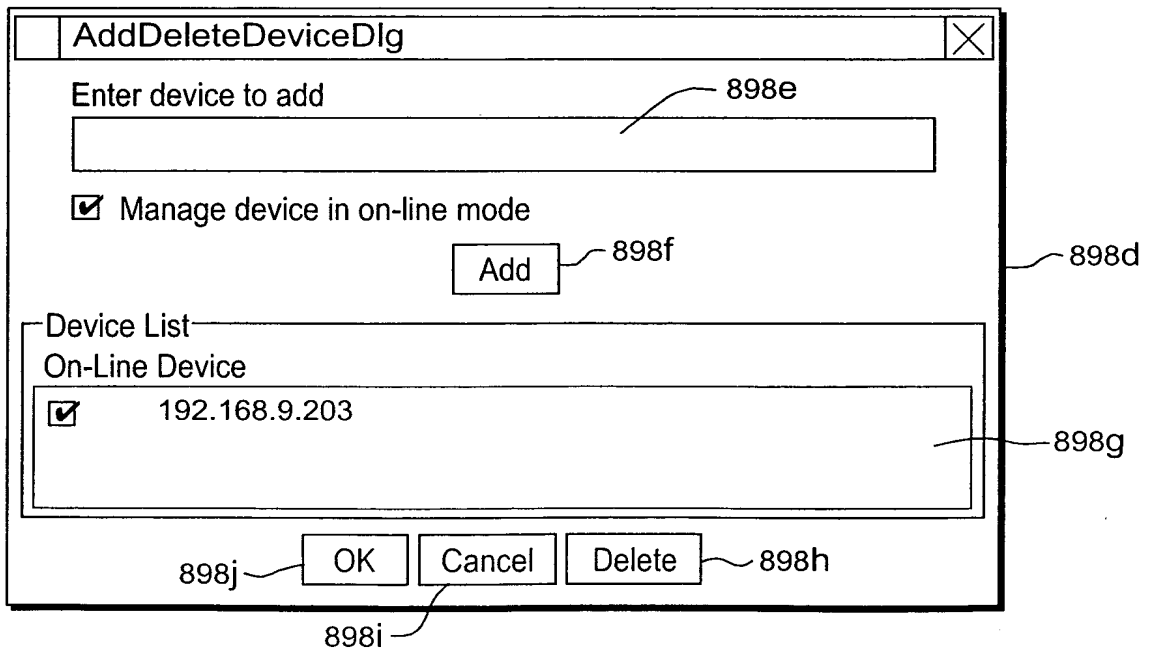
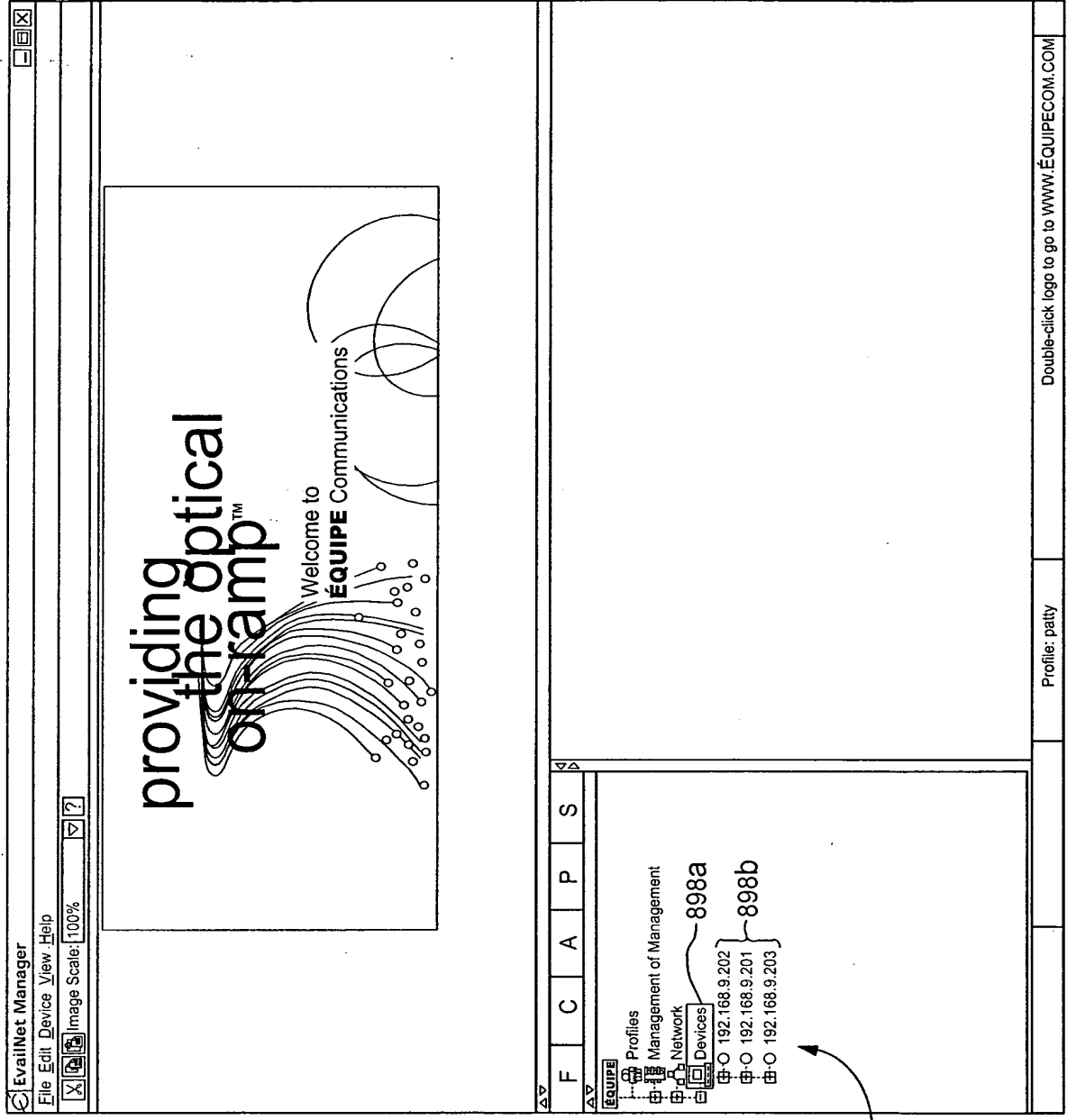


FIG. 4D

895 →



898

FIG. 4E

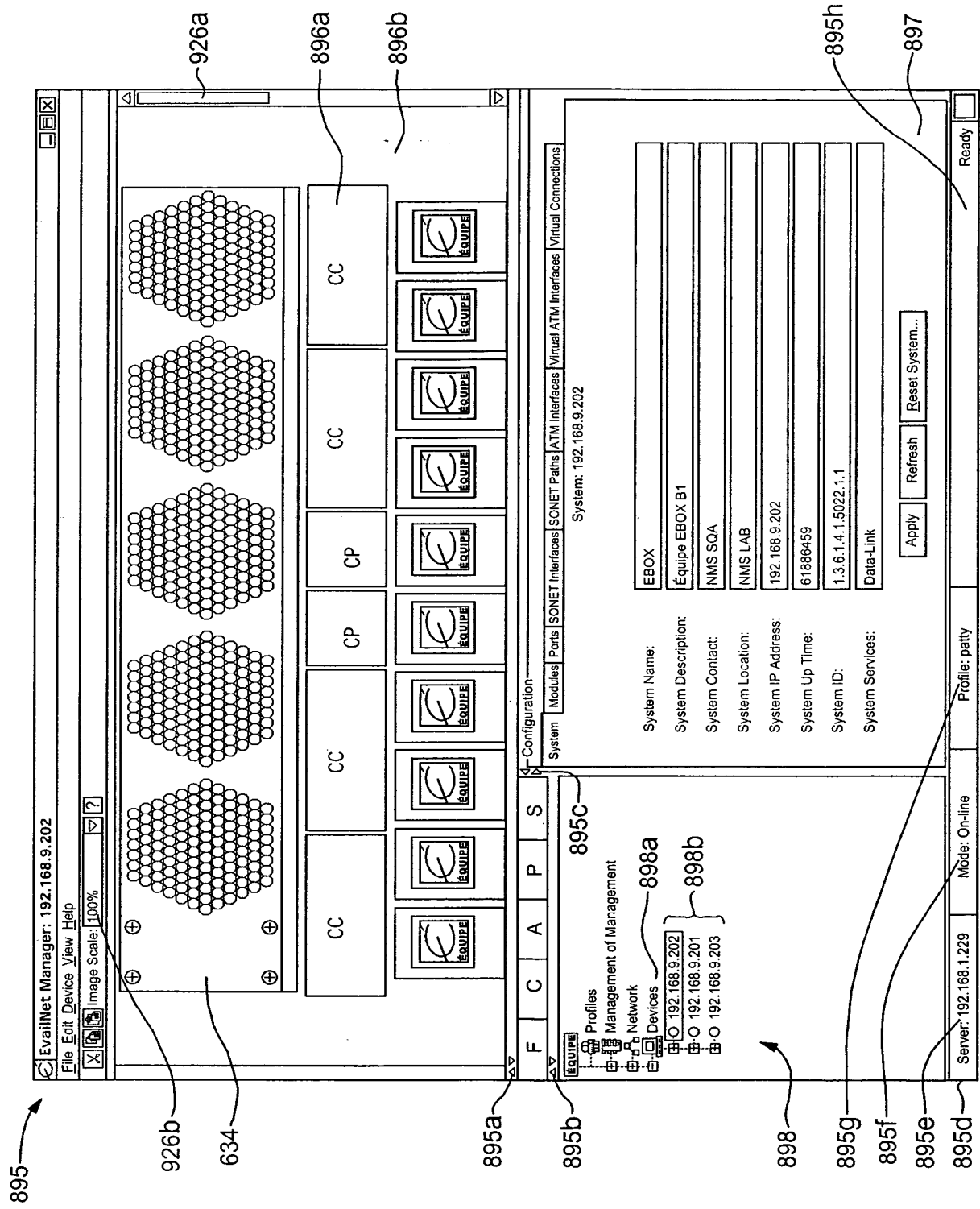


FIG. 4F

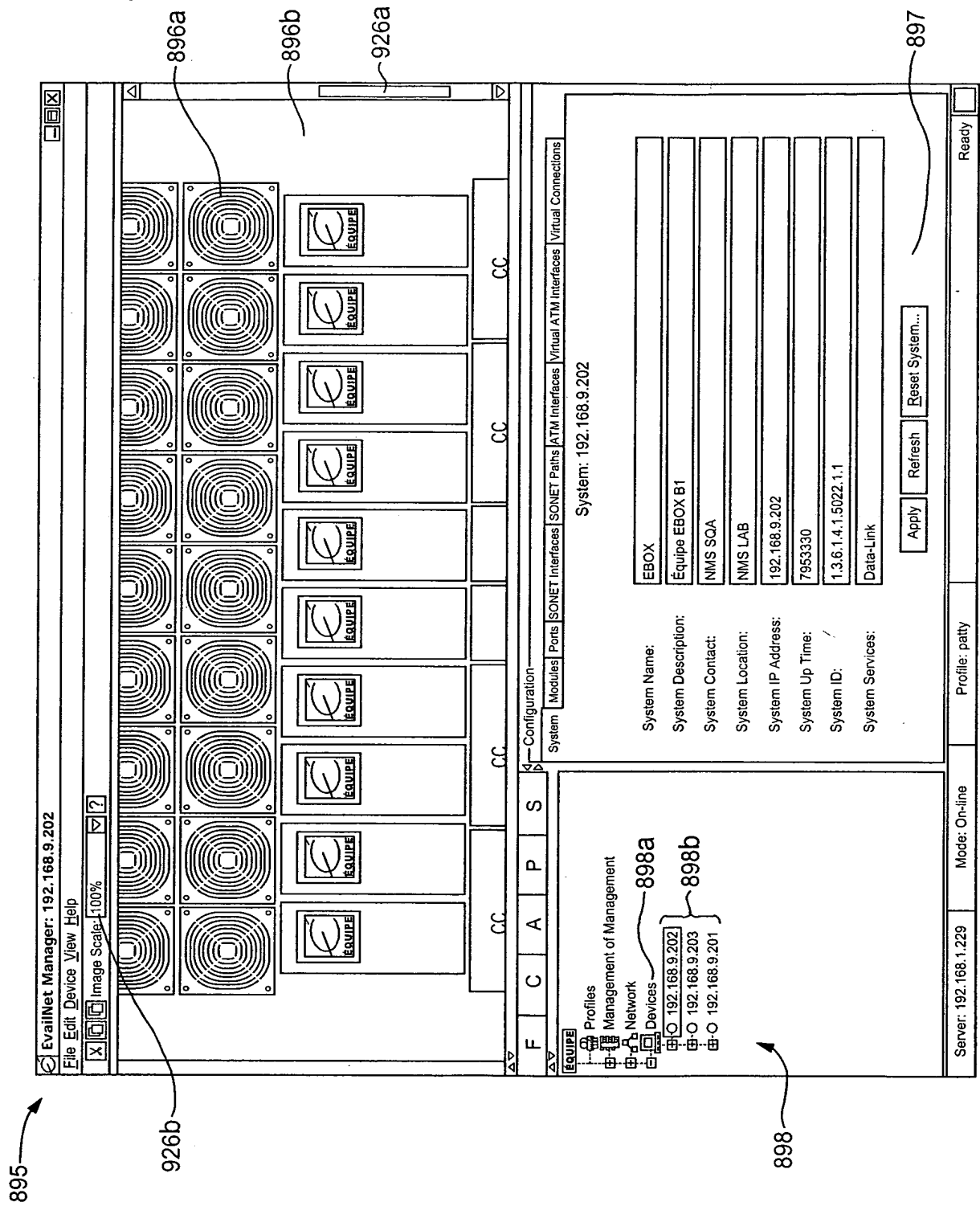


FIG. 4G



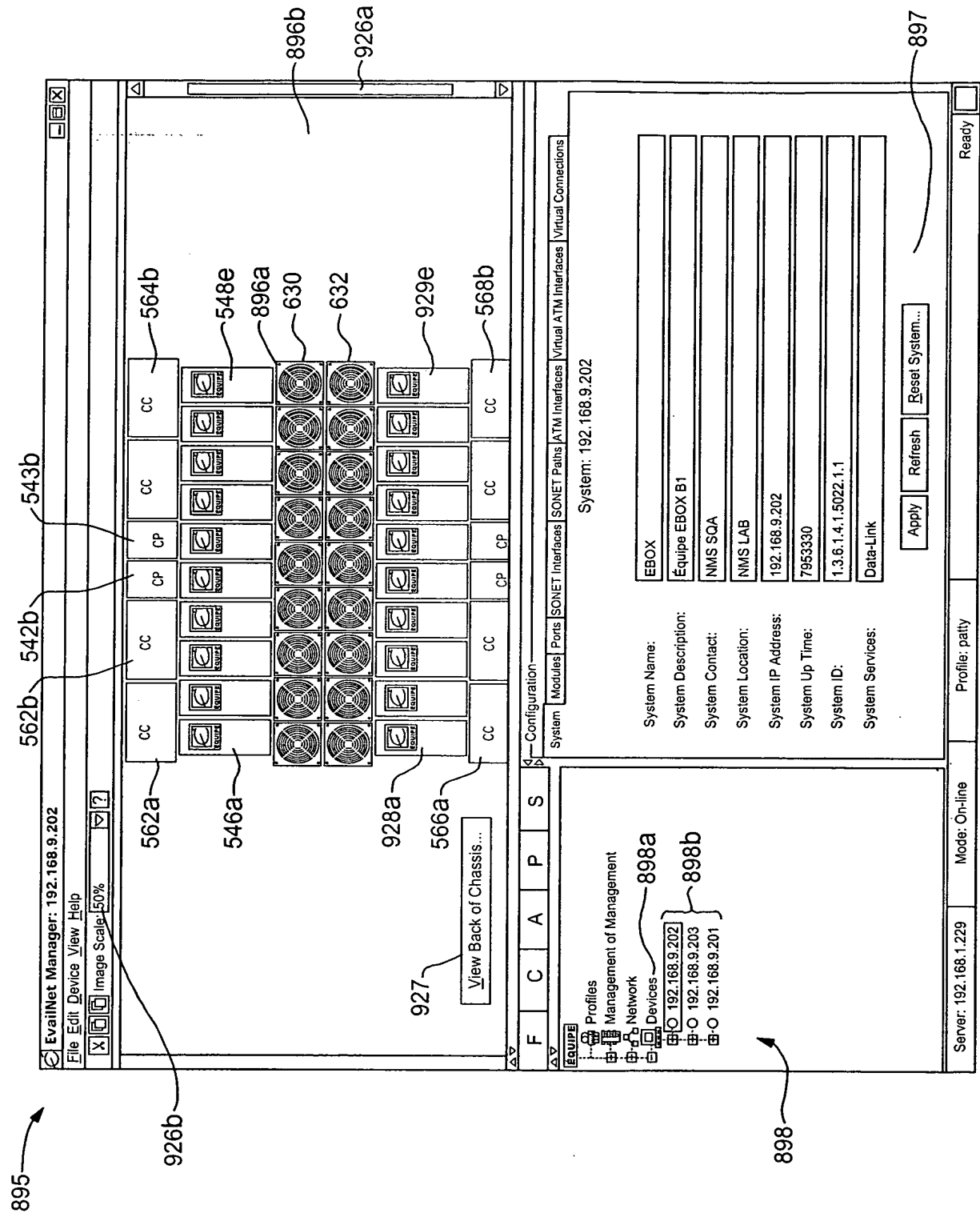


FIG. 4H

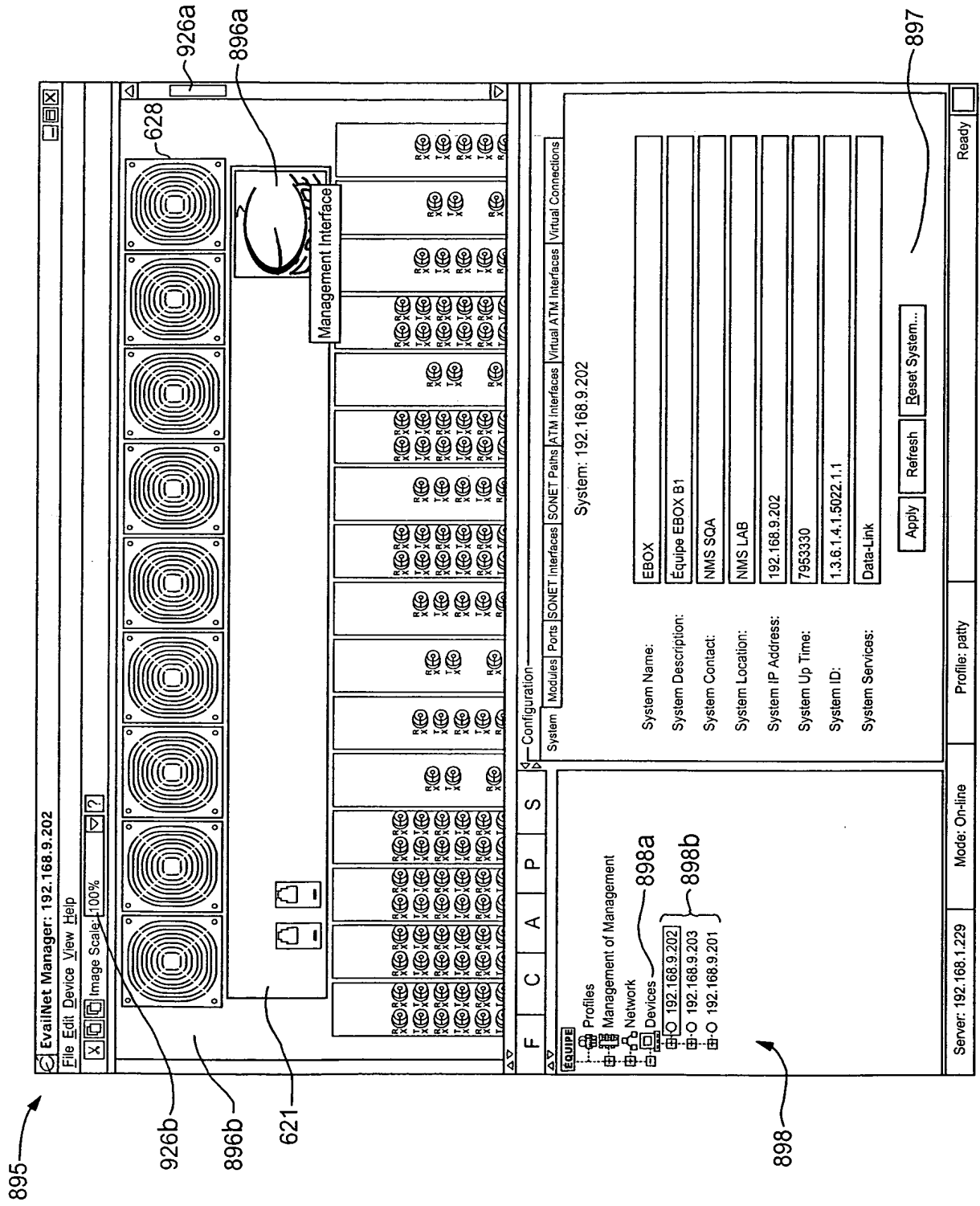


FIG. 4I

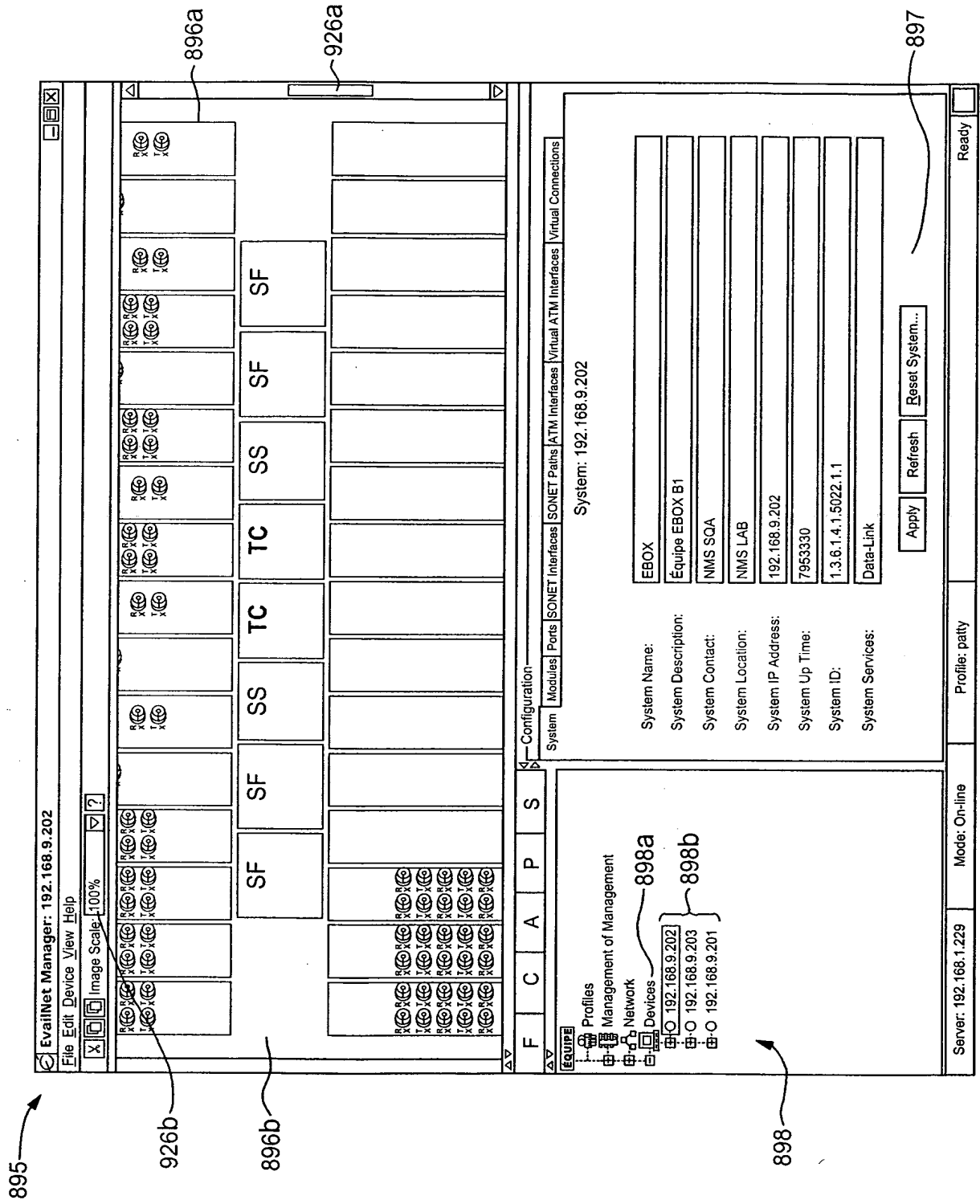


FIG. 4J

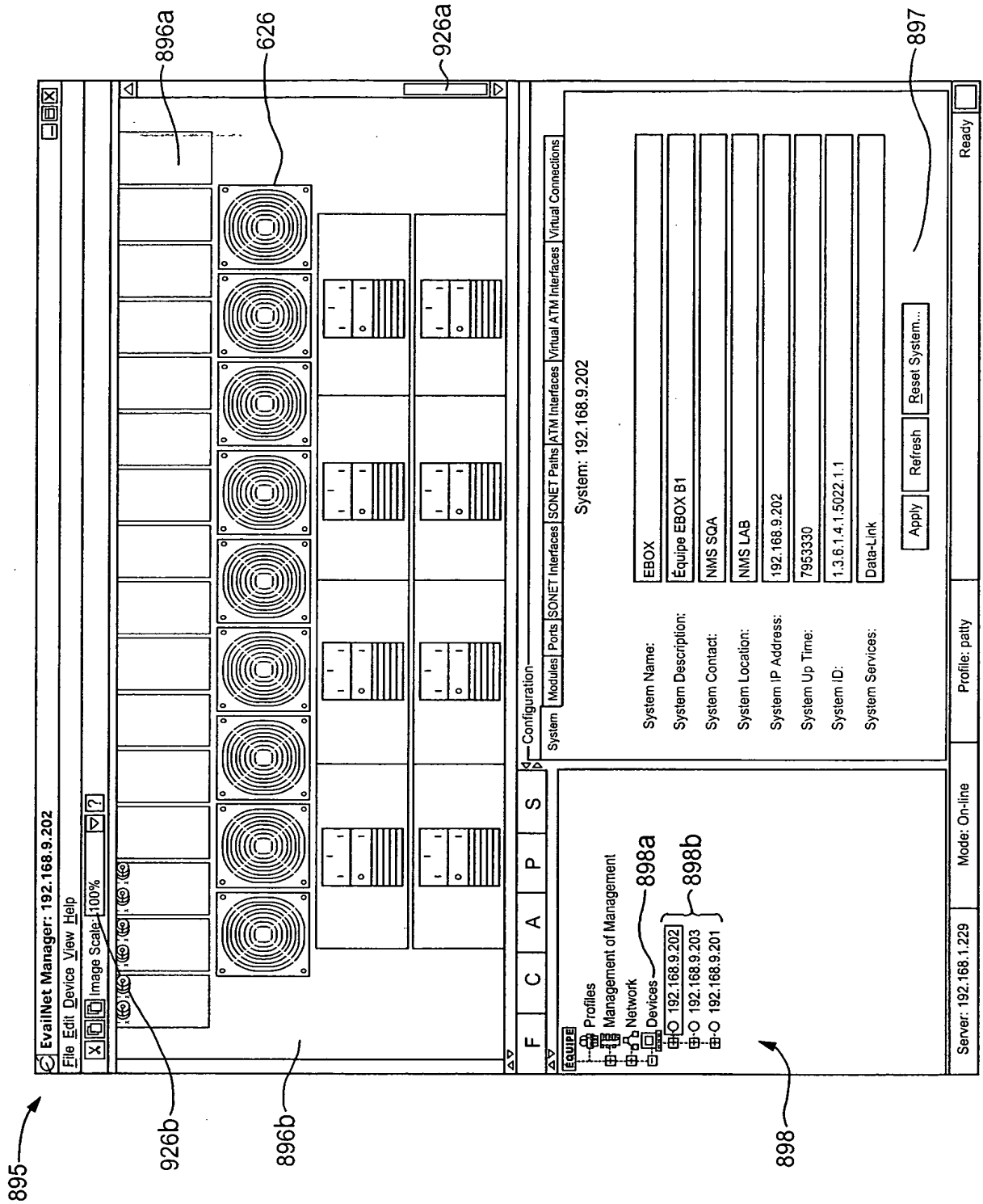


FIG. 4K

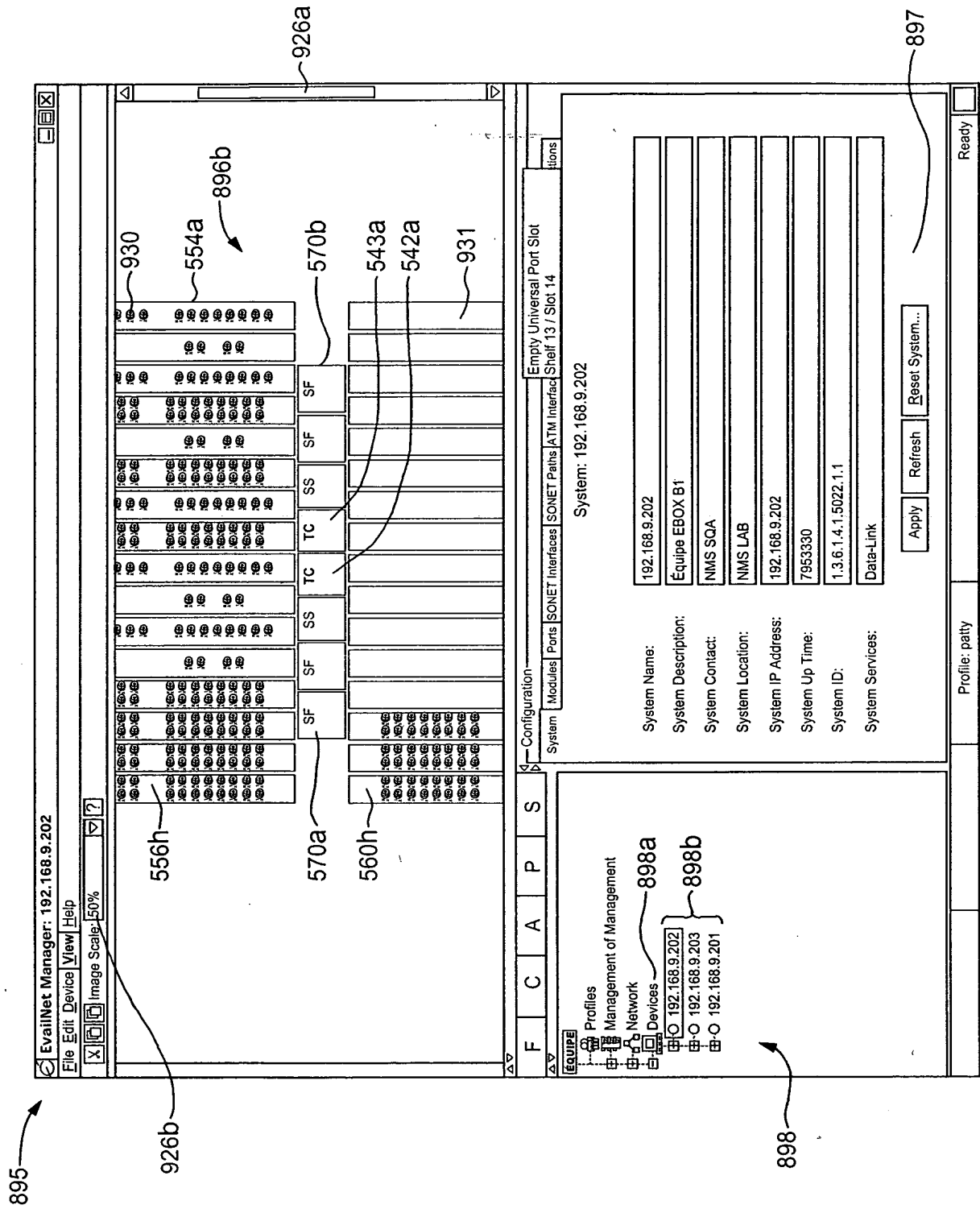


FIG. 4L

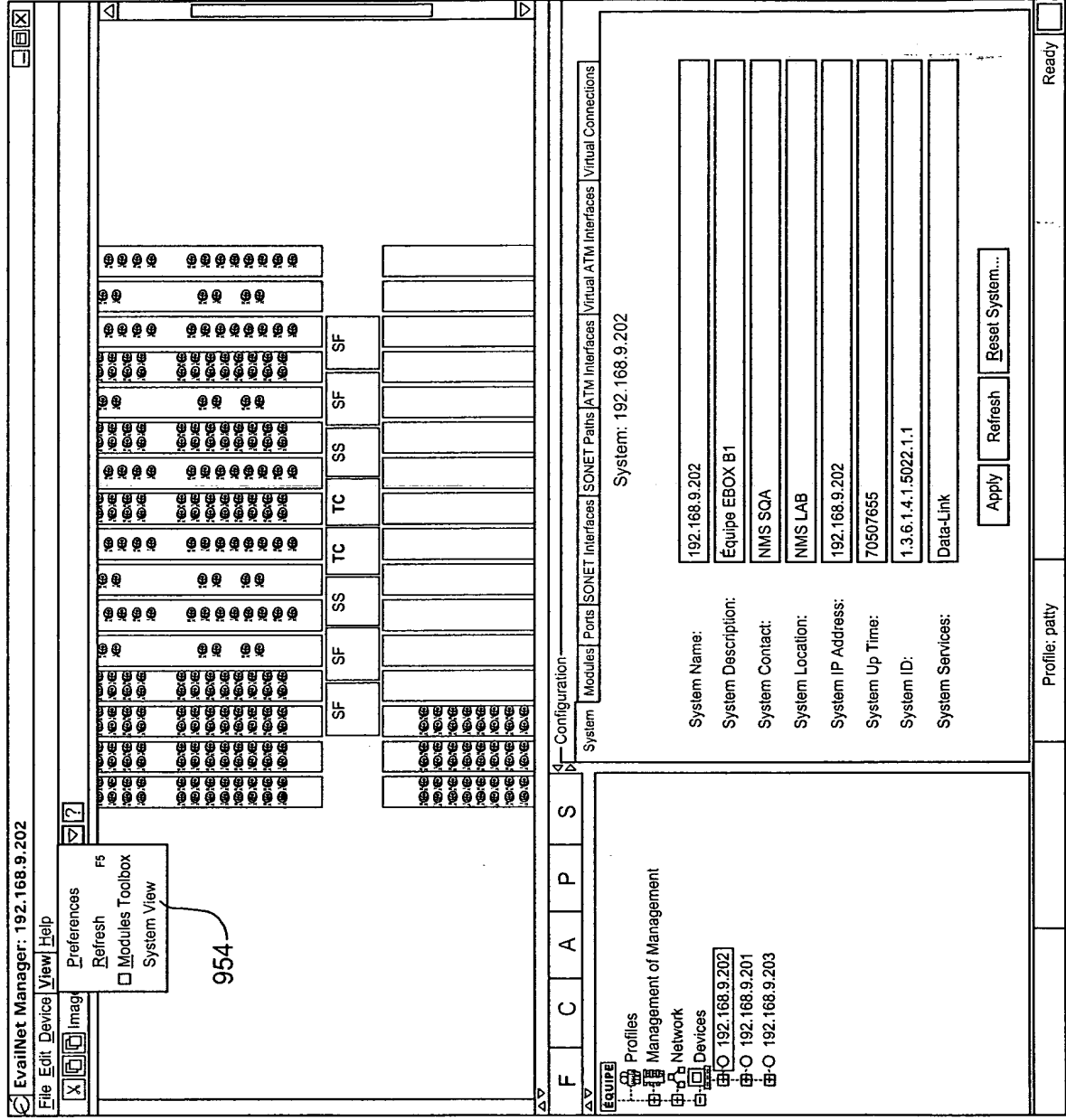
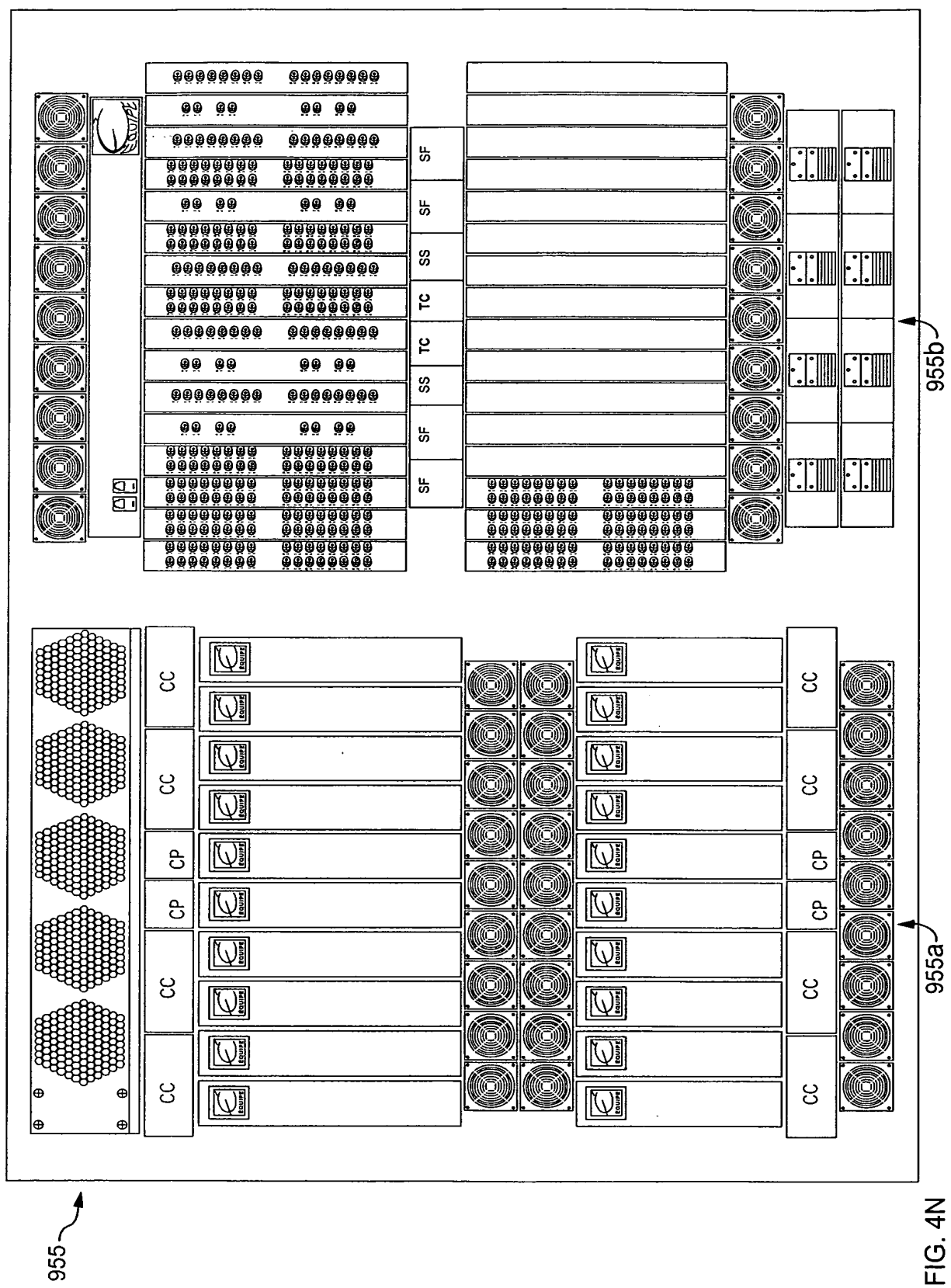


FIG. 4M



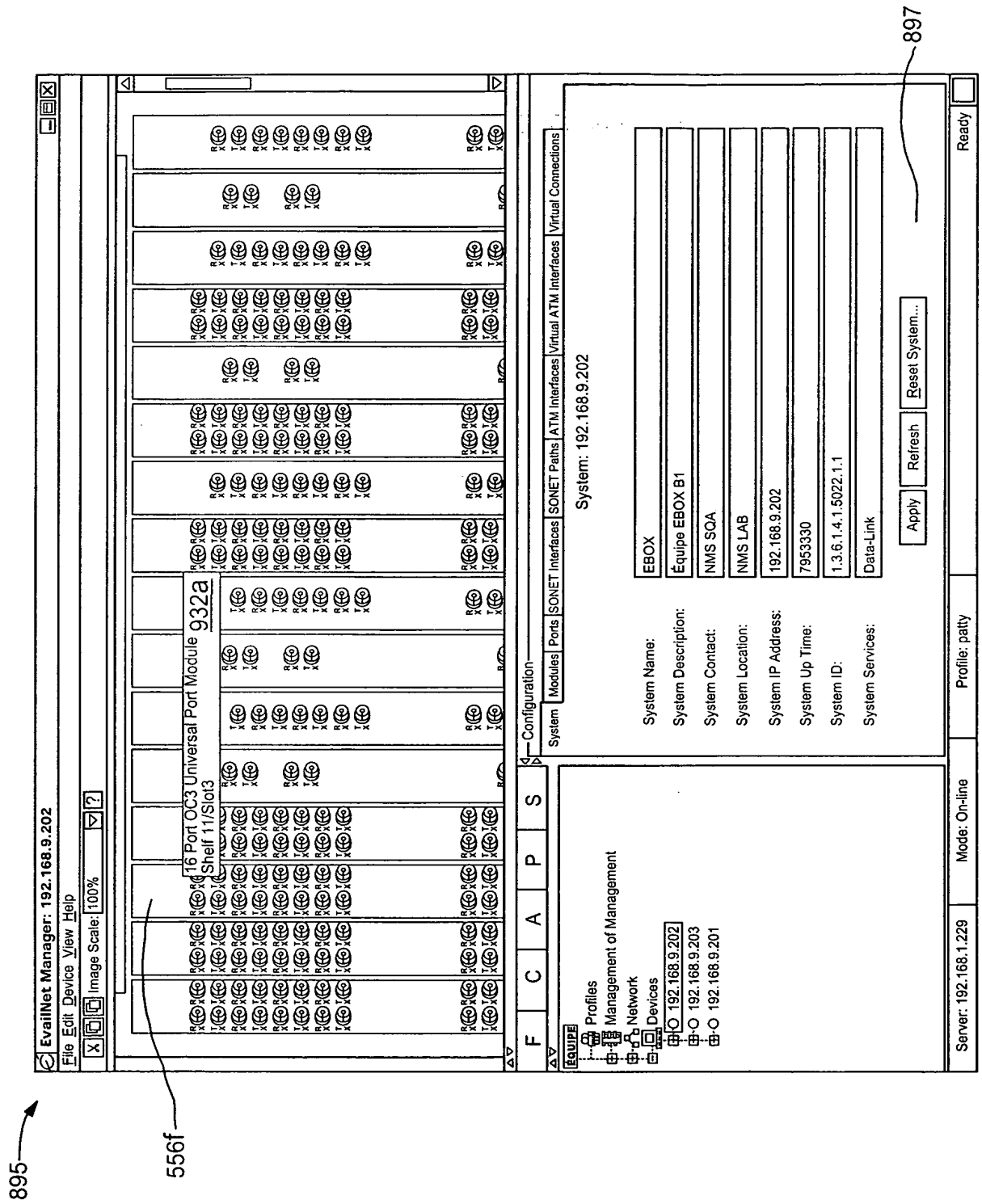


FIG. 40



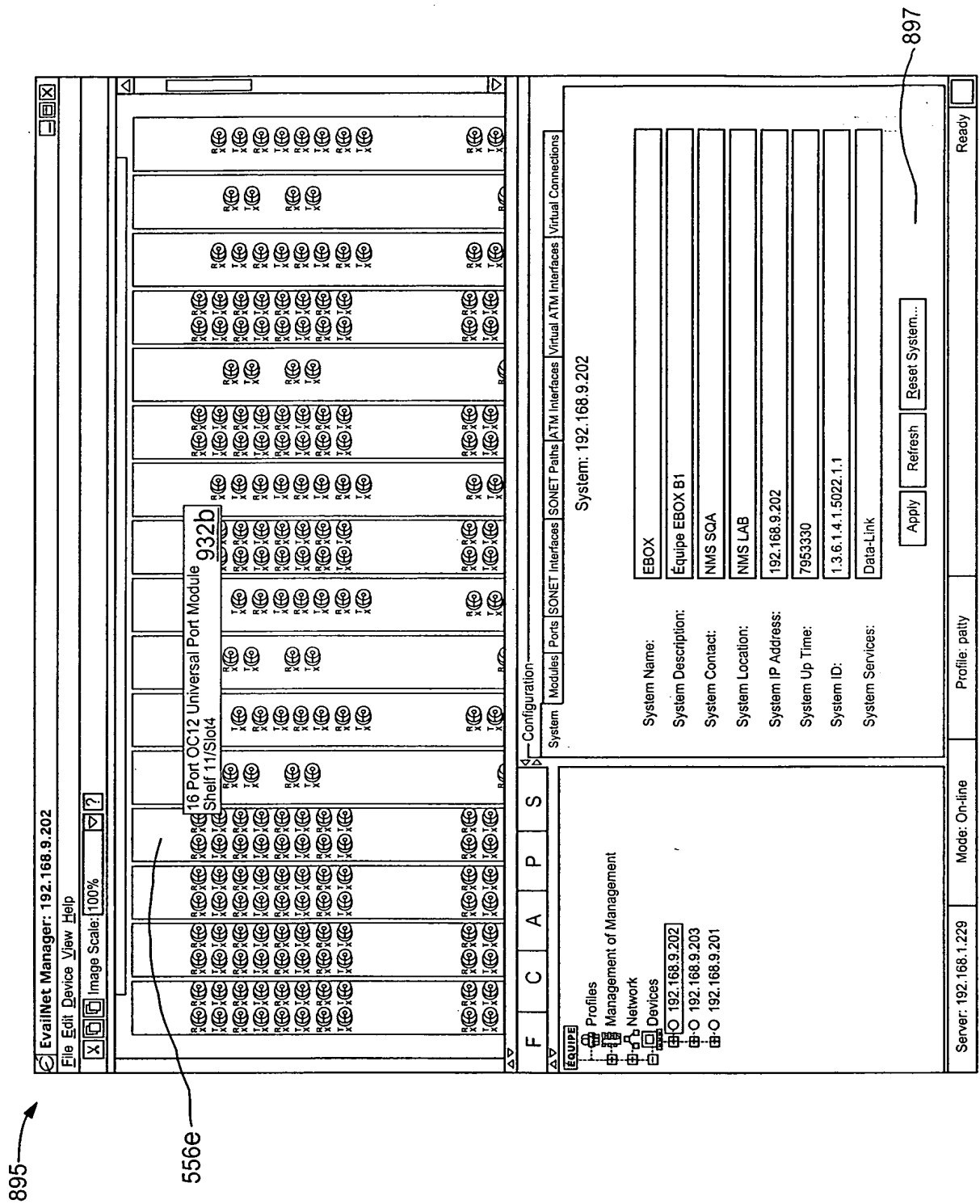


FIG. 4P



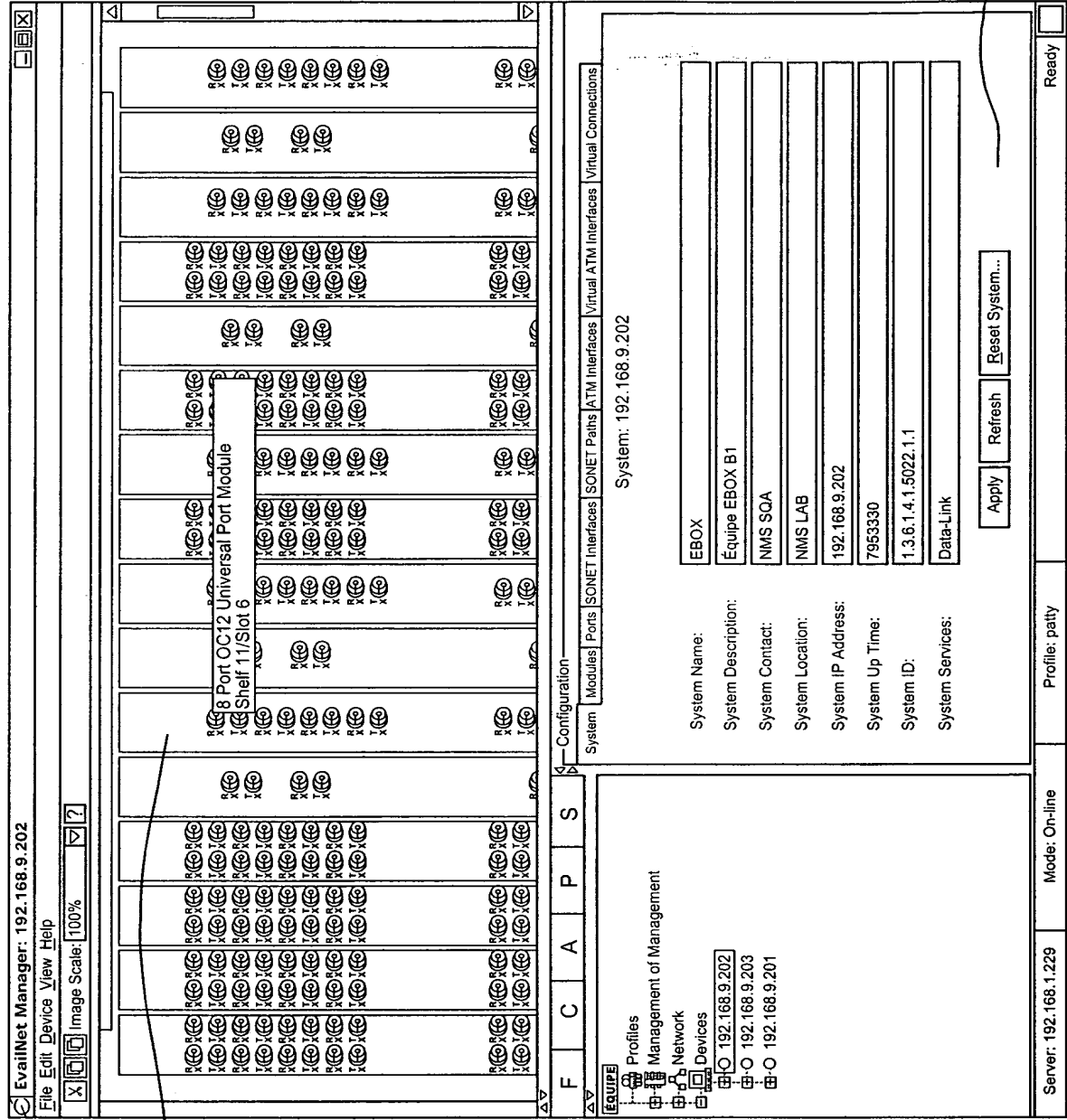


FIG. 4R



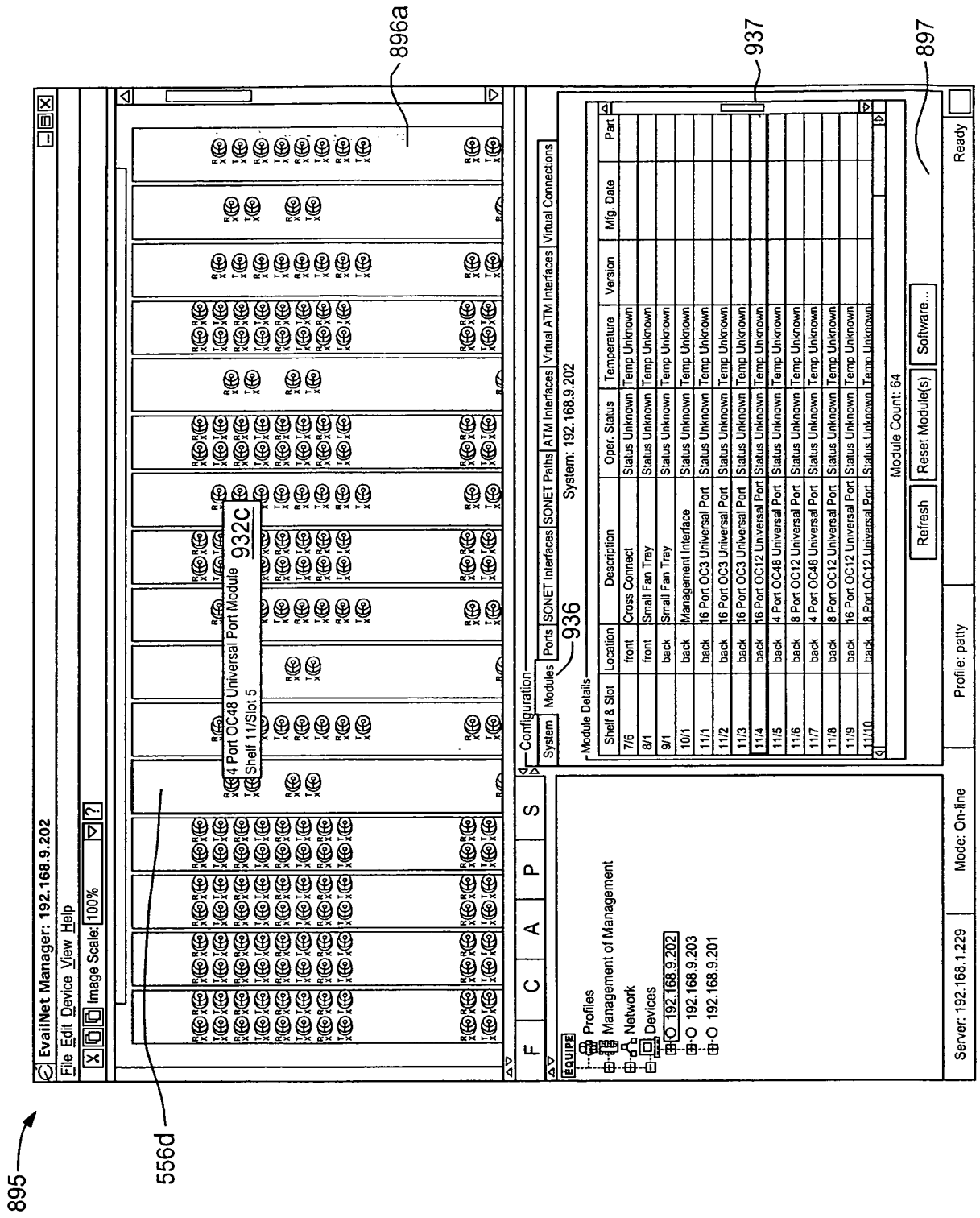


FIG. 4T

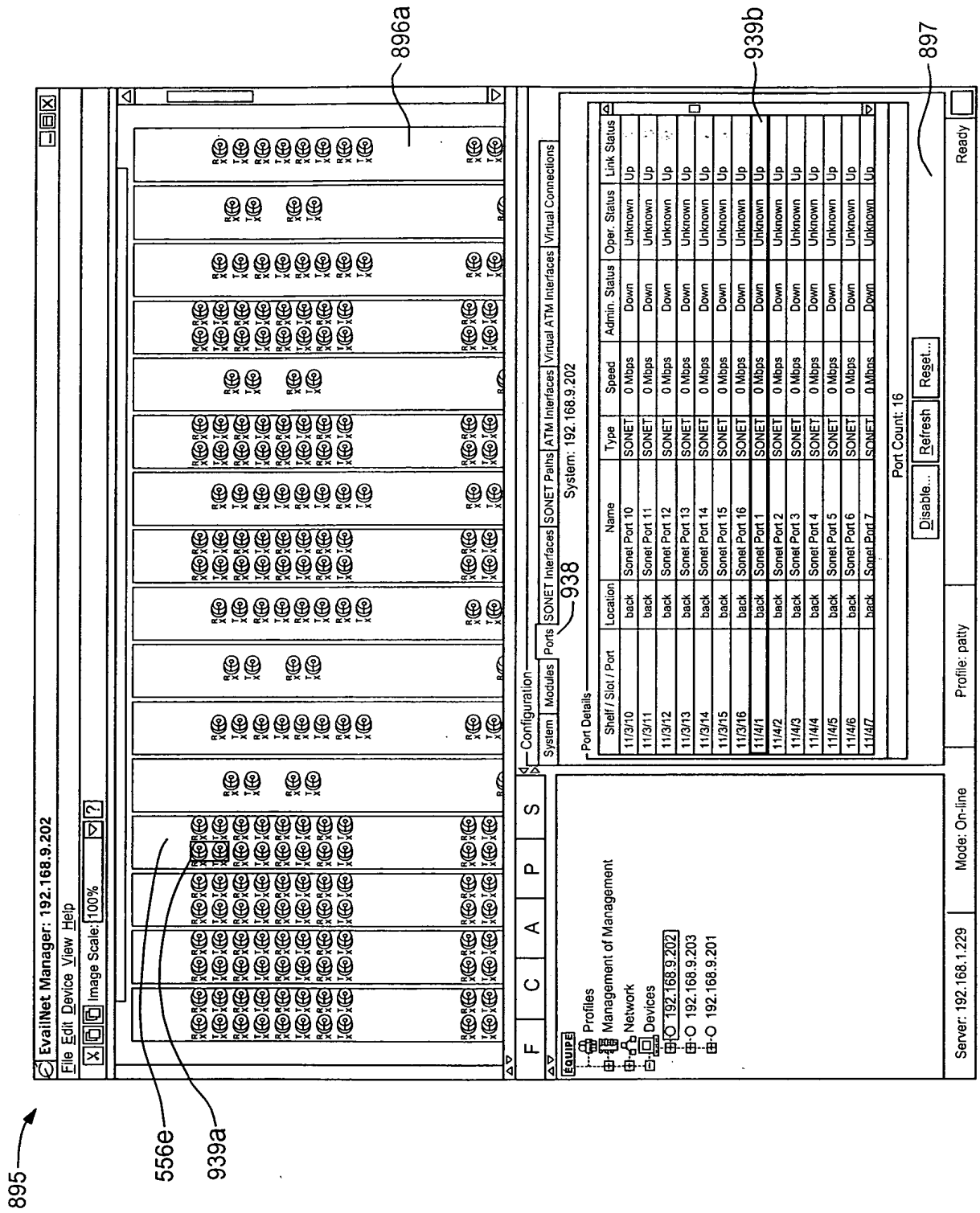


FIG. 4U

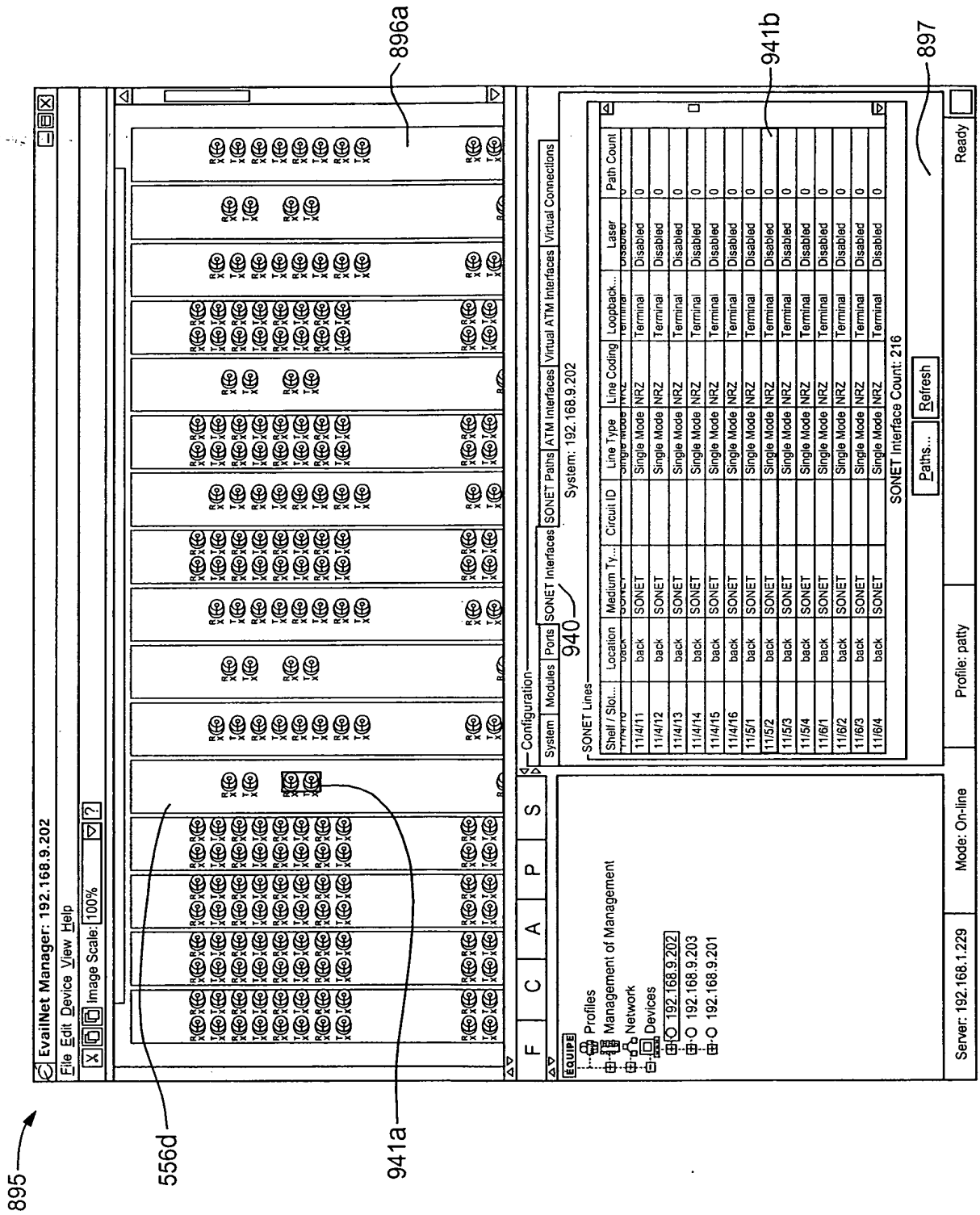


FIG. 4V

FIG. 4W



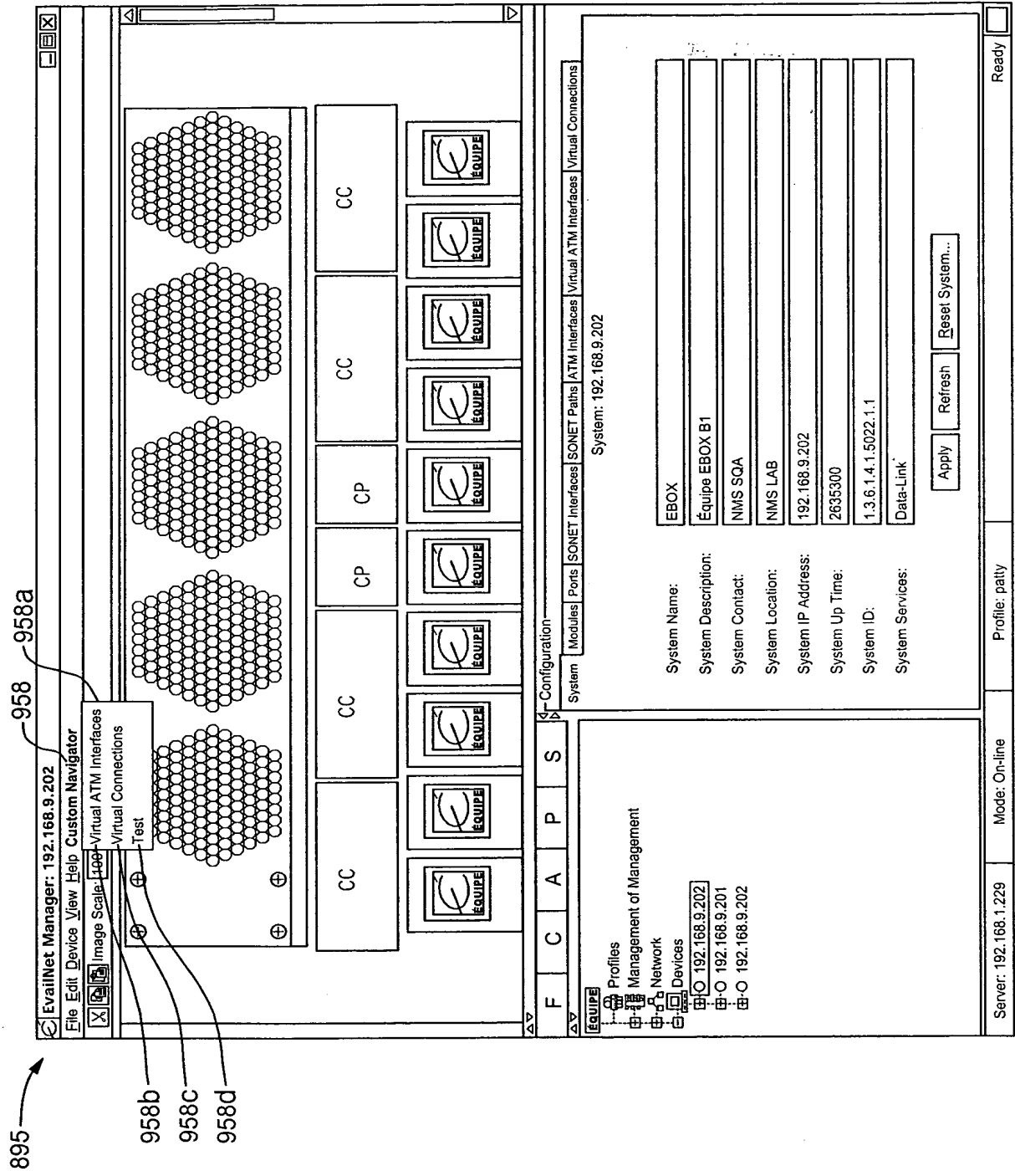


FIG. 4X

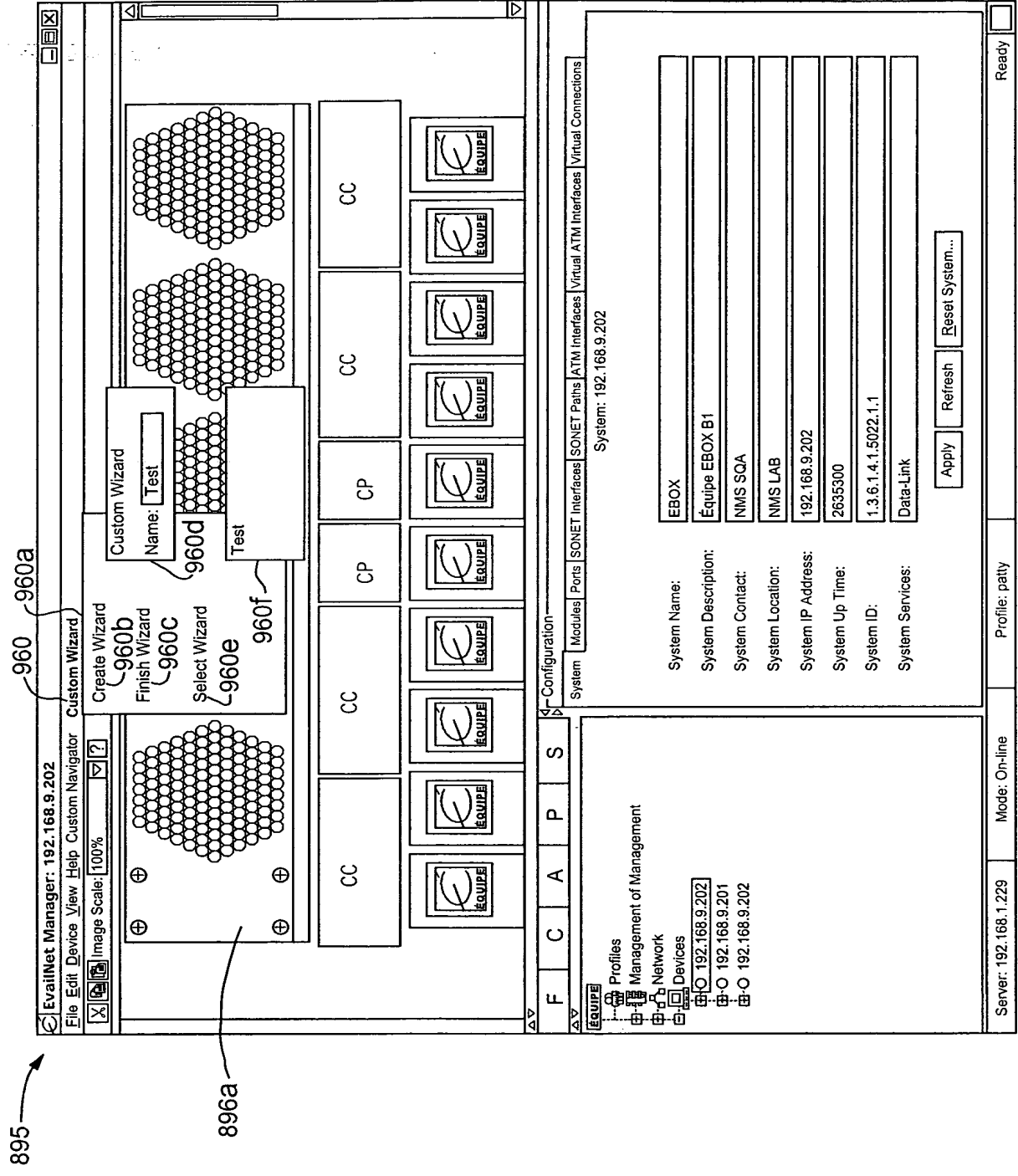


FIG. 4Y

961

EvaiNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

961a

Slot

Port

Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

STS-12c

paths

Next

Cancel

961b

FIG. 4Z

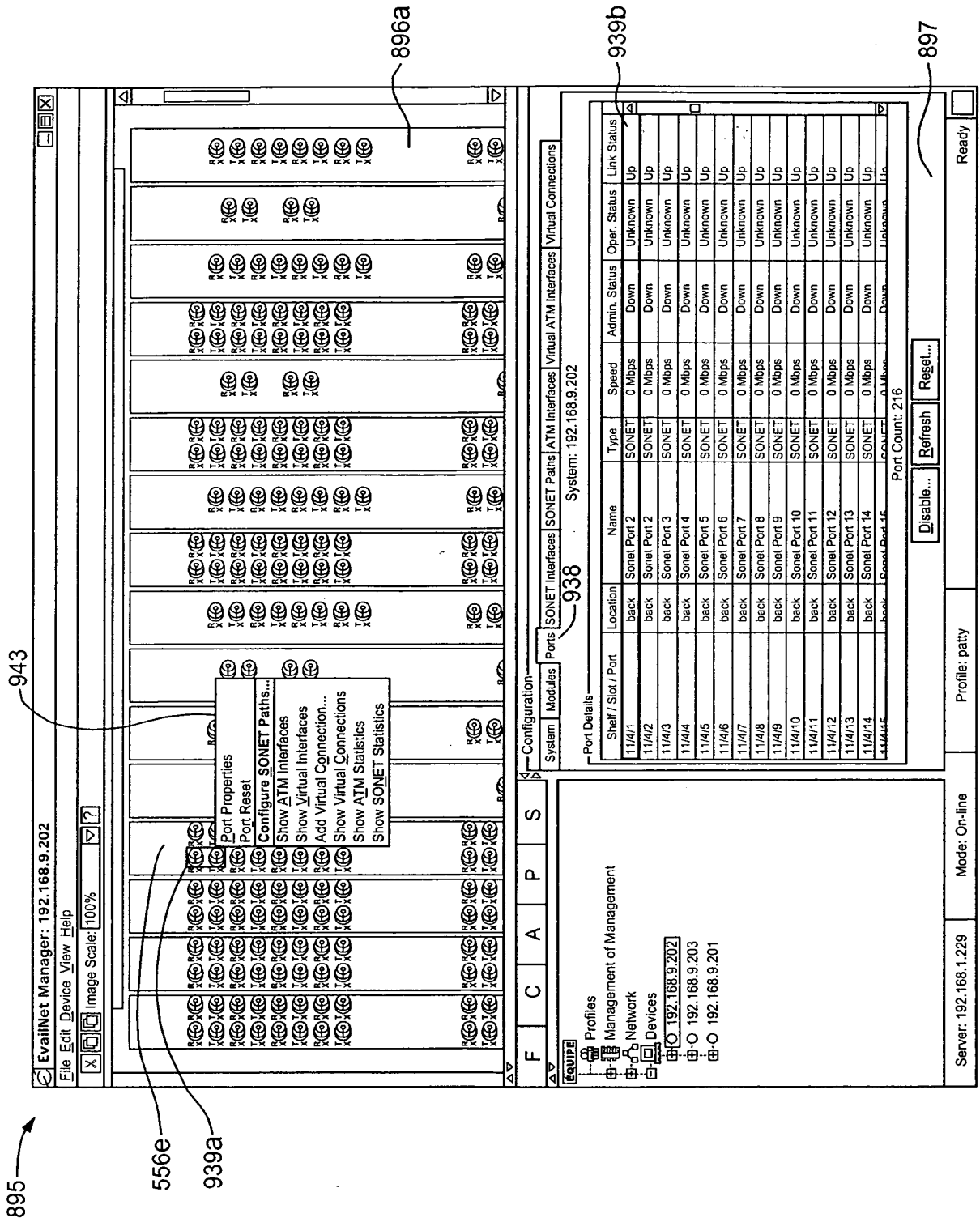


FIG. 5A

944

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

944a

SONET Path Wizard

944b

944c

944d

Configure a single concatenated path (STS-12c)

Configure

Custom Configuration

4

paths

STS-3c

OK

Cancel

944r

944q

FIG. 5B

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

paths

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/4/1     | Path1_11/4/1 | 1           | STS-12c  | Termin.  | ATM    |                |               |

944p

Modify

Graphical Representation

Position

1

Width

STS-12c

944b

944g

944e

944f

944r

944q

FIG. 5C

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 

☒ **Configure**

4

▽

STS-3c

paths

☐ Custom Configuration

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/4/1     | Path1_11/... | 1           | STS-3c   | Termin.  | ATM    |                |               |
| 11/4/1     | Path2_11/... | 4           | STS-3c   | Termin.  | ATM    |                |               |
| 11/4/1     | Path3_11/... | 7           | STS-3c   | Termin.  | ATM    |                |               |
| 11/4/1     | Path4_11/... | 10          | STS-3c   | Termin.  | ATM    |                |               |

944p

Modify

Graphical Representation

Position

1

4

7

10

Width

STS-3c

STS-3c

STS-3c

STS-3c

944e

944f

944r

OK

Cancel

944q

FIG. 5D

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 

☒ **Configure**

1

STS-12c

paths

☐ Custom Configuration

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/4/1     | Path1_11/... | 1           | STS-12c  | Termin.  | ATM    |                |               |

Modify

Graphical Representation

Position

1

Width

STS-12c

944r

OK

Cancel

FIG. 5E



EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
☐ Configure
☒ Custom Configuration

1

paths

STS-12c

Functions

Available SONET Paths

STS-3c

944i

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3c

944l

STS-3c

944m

STS-3c

944j

STS-3c

944u

944v

Path Table

| SONET Line | Path Name    | Path Position | Path Width | Path Type  | Service | Ingress Co... | Egress Co... |
|------------|--------------|---------------|------------|------------|---------|---------------|--------------|
| 11/4/1     | Path1_11/... | 1             | STS-3c     | Terminated | ATM     |               |              |
| 11/4/1     | Path2_11/... | 4             | STS-3c     | Terminated | ATM     |               |              |
| 11/4/1     | Path3_11/... | 7             |            | Terminated | ATM     |               |              |

944p

Modify

Graphical Representation

Position

Width

1

STS-3c

4

STS-3c

944e

944f

944r

OK

Cancel

944q

FIG. 5F

EvailNet Manager: SONET Path Configuration - 11/4/1

SONET Line

Slot

4

Port

1

Type

OC12

Path Table

| SONET Line    | Path Name    | Path Position | Path Width | Path Type | Service | Ingress Co... | Egress Co... |
|---------------|--------------|---------------|------------|-----------|---------|---------------|--------------|
| Shelf11/Sl... | Path1_11/... | 1             | 3          | 2         | 1       |               |              |
| Shelf11/Sl... | Path2_11/... | 4             | 3          | 2         | 1       |               |              |

944p

Modify

Add

Delete

Graphical Representation

Position

1

Width

STS-3C

Position

4

Width

STS-3C

945e

945f

945a

945g

945k

945r

945m

945n

945

FIG. 5G

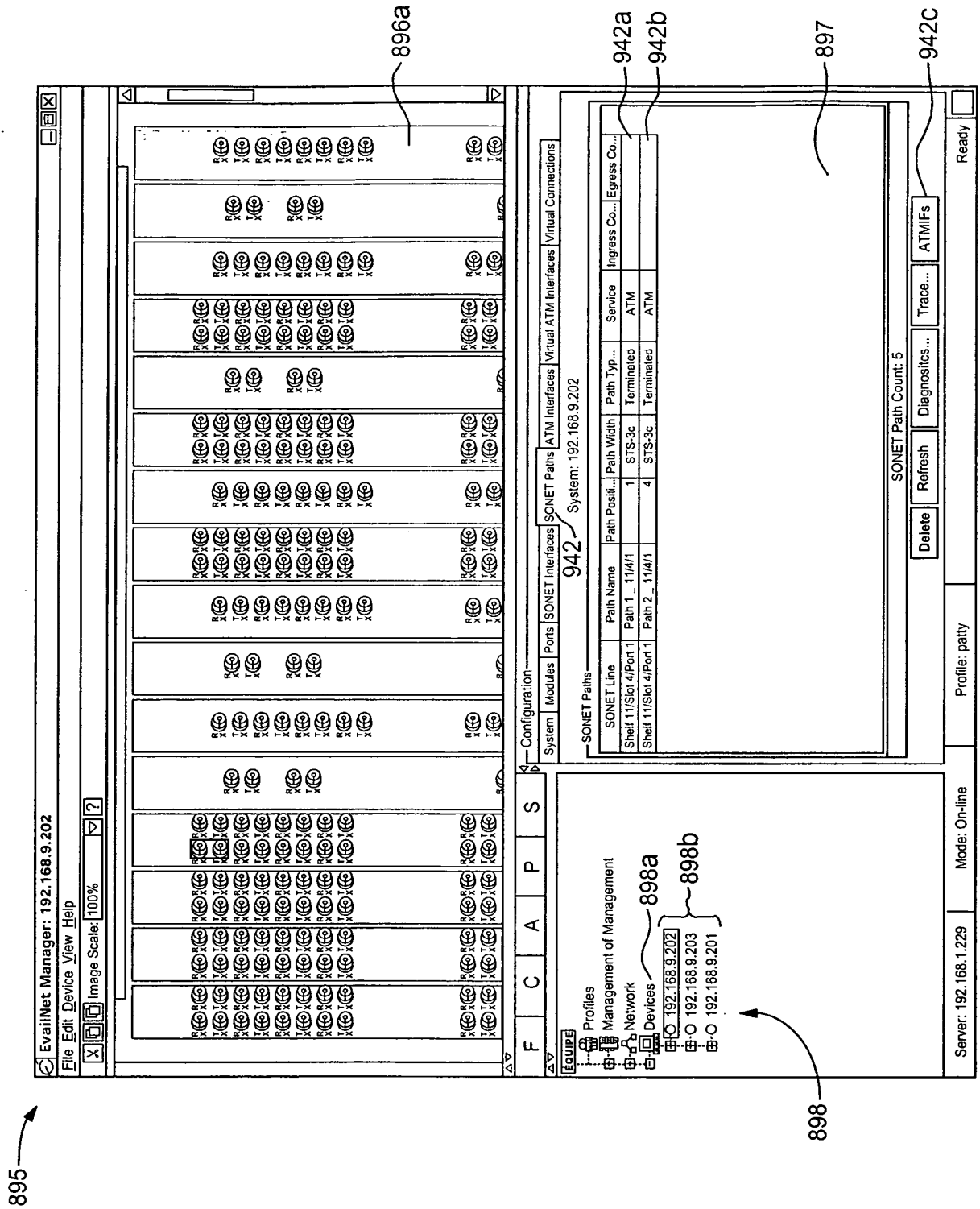


FIG. 5H

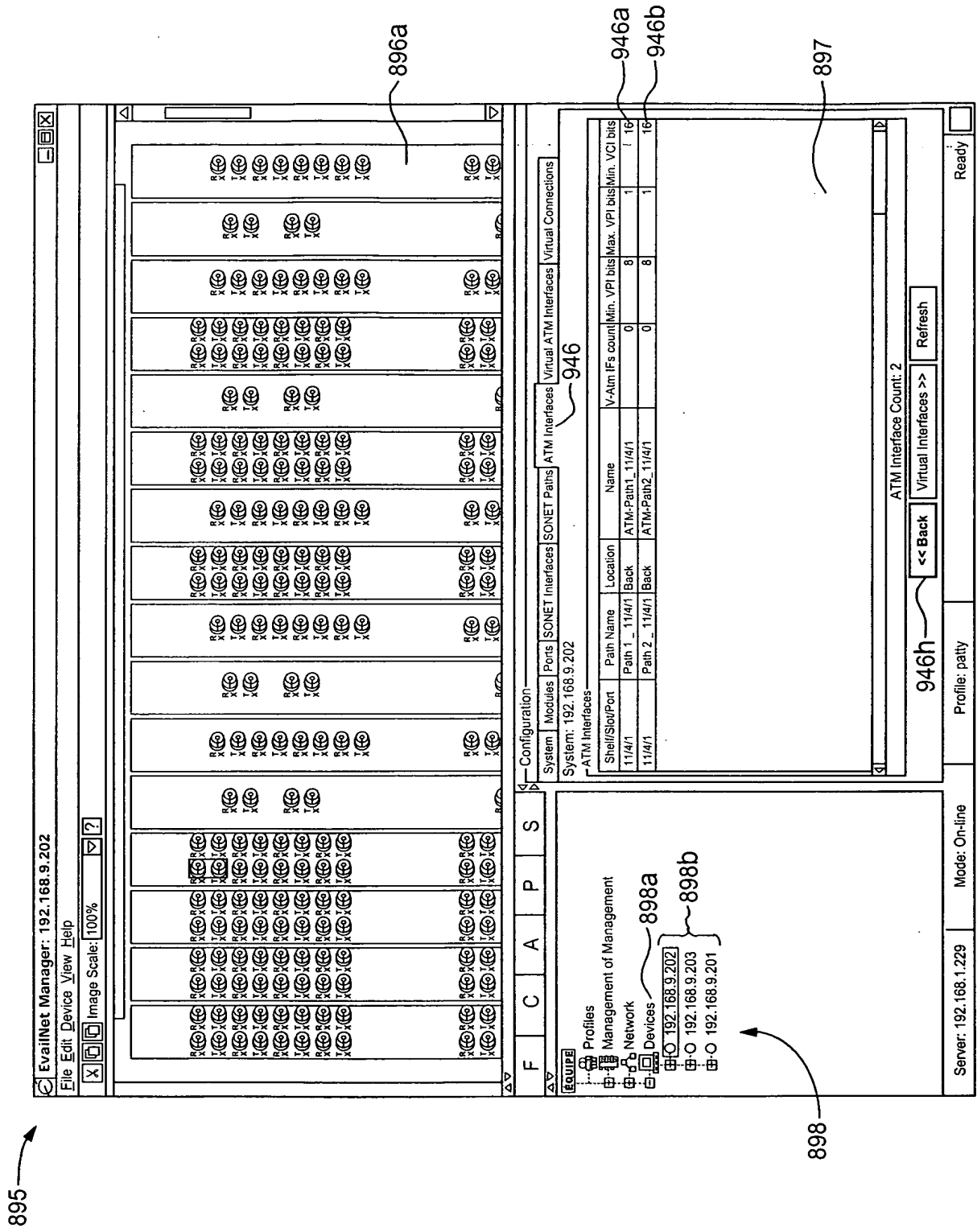


FIG. 51

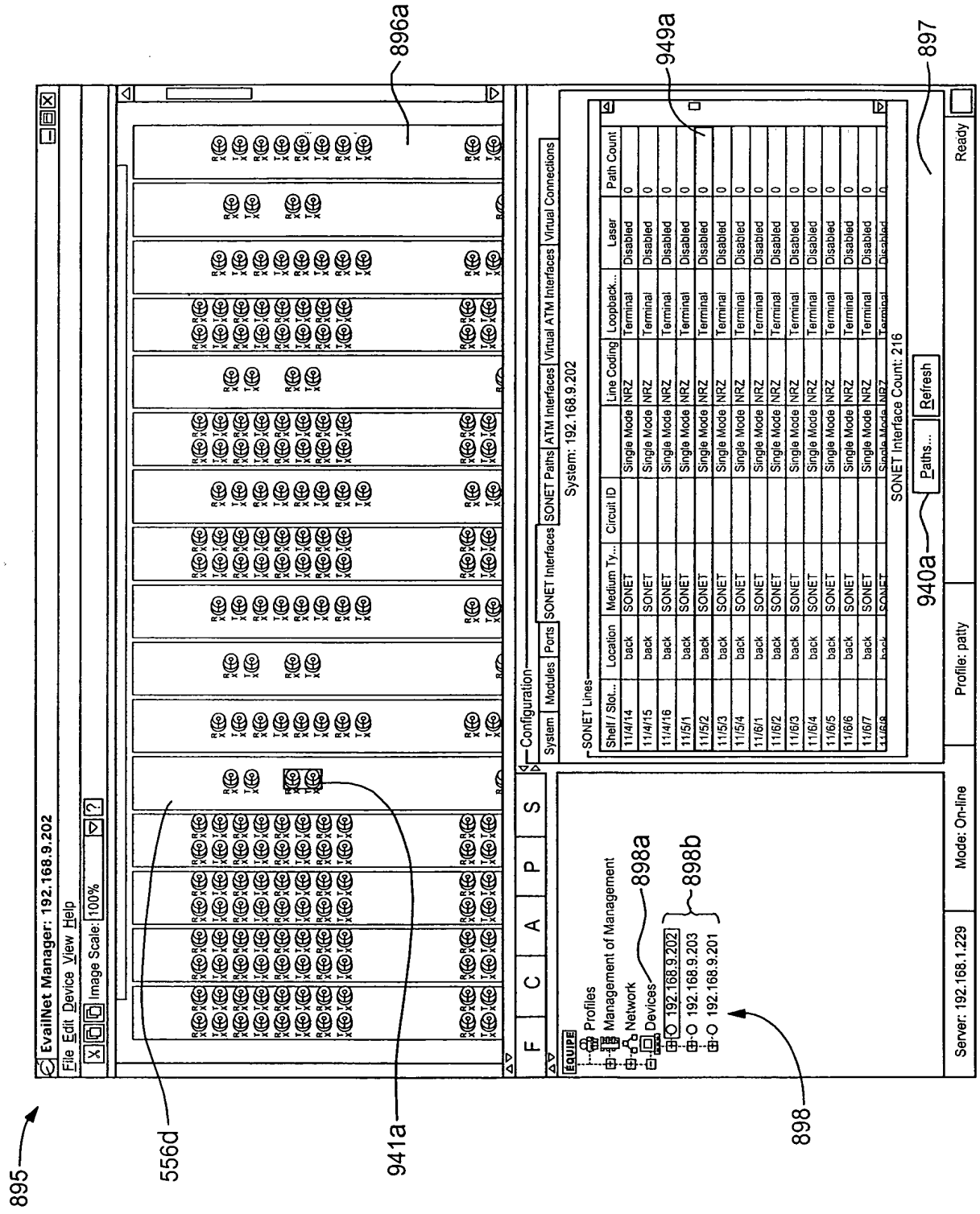


FIG. 5J

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 
Port 
Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
☐ Configure   
☐ Custom Configuration

FIG. 5K

EvaiNet Manager: SONET Path Configuration - 11/5/2

X

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)
 ☐ Configure
 ☐ Custom Configuration

4

paths

STS-12c

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/5/2     | Path1_11/5/2 | 1           | STS-48c  | Termin.  | ATM    |                |               |

Modify

Graphical Representation

Position

1

Width

STS-48c

944r

OK

Cancel

FIG. 5L

EvaiiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒

Configure

☐ Custom Configuration

4

▽

STS-12c

944t

▽

paths

944s

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/5/2     | Path1_11/... | 1           | STS-12c  | Termin.  | ATM    |                |               |
| 11/5/2     | Path2_11/... | 13          | STS-12c  | Termin.  | ATM    |                |               |
| 11/5/2     | Path3_11/... | 25          | STS-12c  | Termin.  | ATM    |                |               |
| 11/5/2     | Path4_11/... | 37          | STS-12c  | Termin.  | ATM    |                |               |

Modify

Graphical Representation

Position

1

13

25

37

Width

STS-12c

STS-12c

STS-12c

STS-12c

944e

944f

OK

Cancel

FIG. 5M



EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

Custom Configuration

1

1

4

16

STS-48c

paths

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/5/2     | Path1_11/... | 1           | STS-48c  | Termin.  | ATM    |                |               |

Modify

Graphical Representation

Position

Width

1

STS-48c

944r

OK

Cancel

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

16

STS-3c

paths

Custom Configuration

Path Table

| SONET Line | Path Name    | Path Posit. | Path Wi. | Path Ty. | Servi. | Ingress Conne. | Egress Conne. |
|------------|--------------|-------------|----------|----------|--------|----------------|---------------|
| 11/5/2     | Path1_11/5/2 | 1           | STS-3c   | Termin.  | ATM    |                |               |
| 11/5/2     | Path2_11/5/2 | 4           | STS-3c   | Termin.  | ATM    |                |               |
| 11/5/2     | Path3_11/5/2 | 7           | STS-3c   | Termin.  | ATM    |                |               |
| 11/5/2     | Path4_11/5/2 | 10          | STS-3c   | Termin.  | ATM    |                |               |
| 11/5/2     | Path5_11/5/2 | 13          | STS-3c   | Termin.  | ATM    |                |               |
| 11/5/2     | Path6_11/5/2 | 16          | STS-3c   | Termin.  | ATM    |                |               |
| 11/5/2     | Path7_11/5/2 | 19          | STS-3c   | Termin.  | ATM    |                |               |

Modify

OK

Cancel

Graphical Representation

Position

Width

1

4

7

10

13

16

19

22

25

28

31

34

37

40

43

45

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

STS-3c

FIG. 50

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☐ Configure
 

16

paths

STS-3c

▼

☐ Custom Configuration

Functions

Available SONET Paths

STS-3c

STS-12c

944i

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3c

STS-3c

STS-3c

STS-3c

STS-12c

944j

↕

↕

Path Table

| SONET Line | Path Name    | Path Position | Path Width | Path Type  | Service | Ingress Co... | Egress Co... |
|------------|--------------|---------------|------------|------------|---------|---------------|--------------|
| 11/5/2     | Path1_11/... | 1             | STS-3c     | Terminated | ATM     |               | Δ            |
| 11/5/2     | Path2_11/... | 4             | STS-3c     | Terminated | ATM     |               |              |
| 11/5/2     | Path3_11/... | 7             |            | Terminated | ATM     |               | ▽            |

Modify

Graphical Representation

| Position | Width   |
|----------|---------|
| 1        | STS-3c  |
| 4        | STS-3c  |
| 7        | STS-3   |
| 10       | STS-3   |
| 22       | STS-12c |
| 34       | STS-12c |

944f

944e

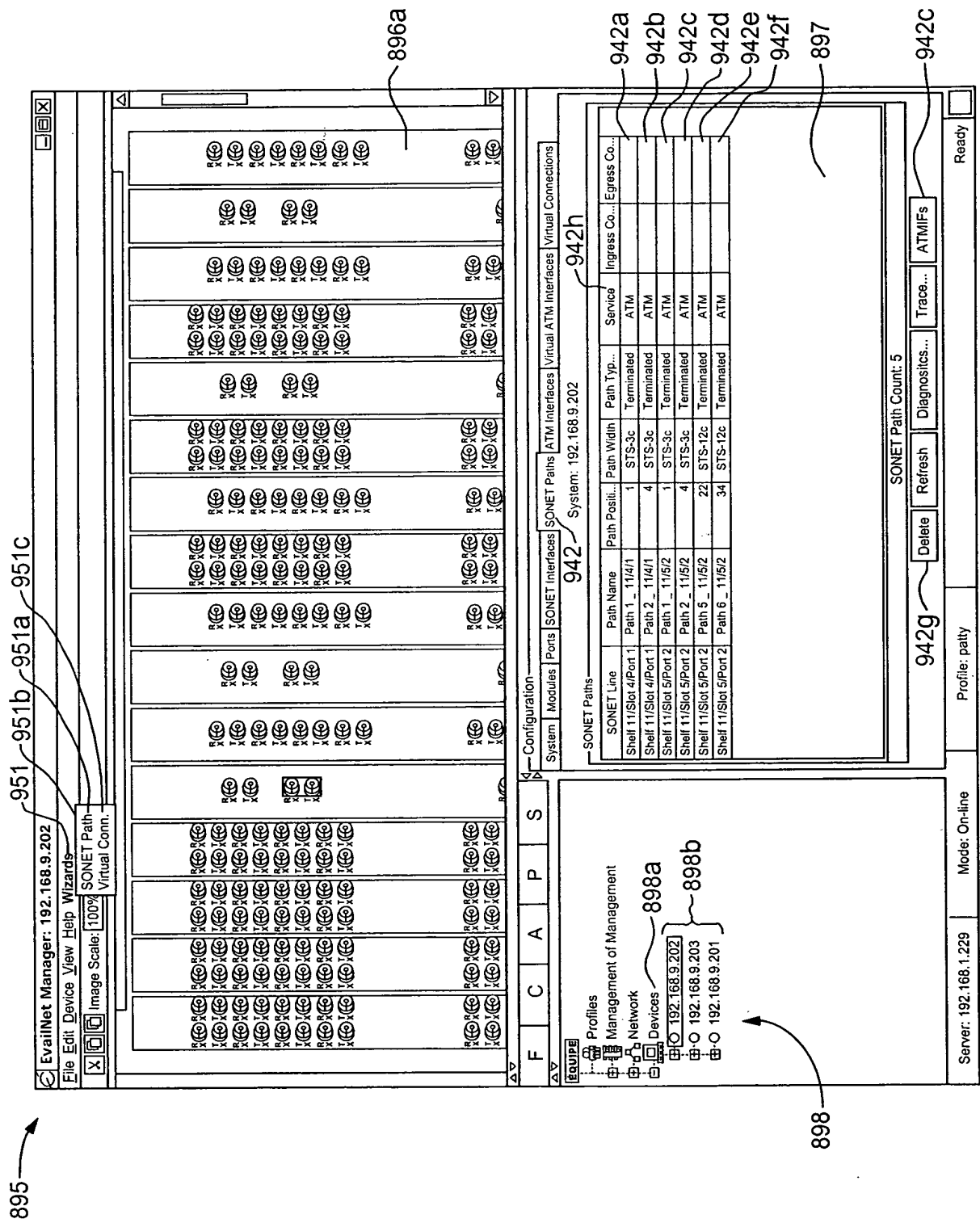
944r

944q

OK

Cancel

FIG. 5P



**FIG. 5Q**

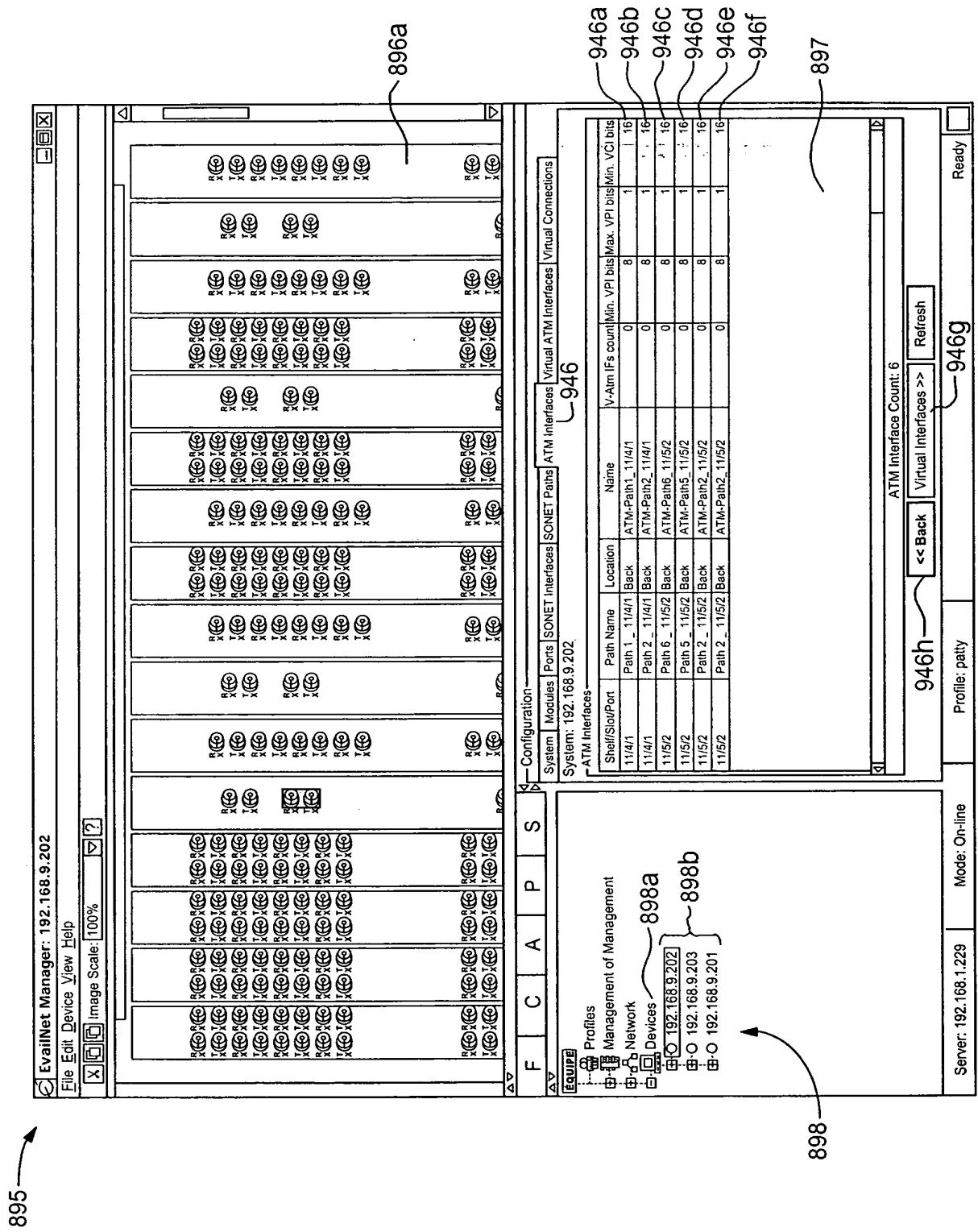


FIG. 5R

FIG. 5S

950

**Add V-ATM Interface - 192.168.9.202** [X]

Shelf/Slot/Port: 11/4/1      Path Name: Path2\_11/4/1

☐ Virtual ATM Interface Parameters

|      |                 |                 |
|------|-----------------|-----------------|
| 950d | Name            | test1           |
| 950a | Connection Type | Direct Link     |
| 950b | Version         | UNI Network 3.1 |
| 950c | Admin Status    | Up              |

950e

OK      Cancel

FIG. 5T

FIG. 5U



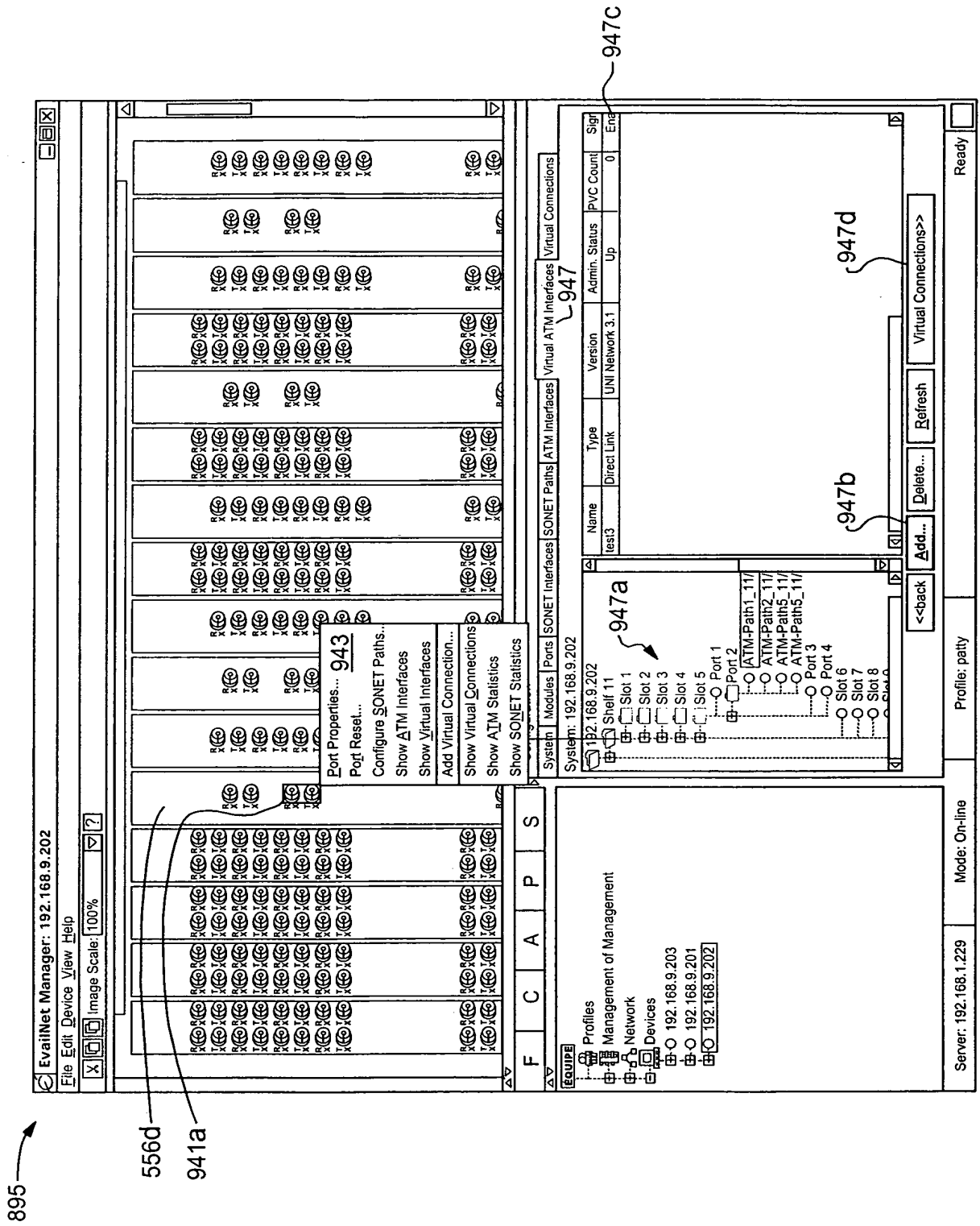


FIG. 5V

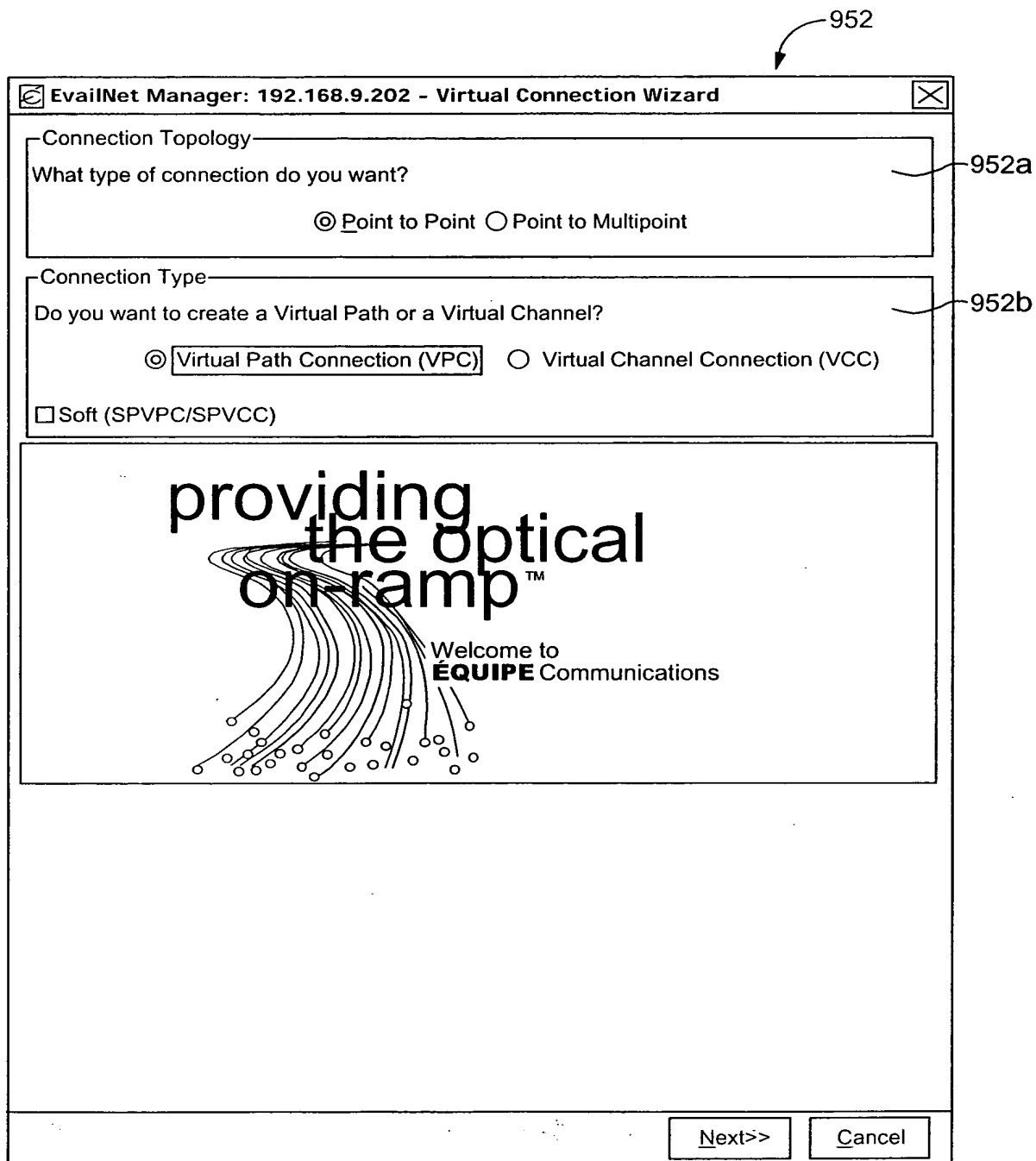


FIG. 5W

953

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard
✕

Source: 192.168.9.202
Destination: 192.168.9.202

953a End Point 1

- Slot 4
  - Port 1
    - ATM-Path1\_11/4/1
    - ATM-Path2\_11/4/1
      - test1
      - test2
  - Port 2
  - Port 3
  - Port 4

953b

End Point 1

953c

- Slot 3
- Slot 4
- Slot 5
  - Port 1
  - Port 2
    - ATM-Path1\_11/5/2
      - test3
    - ATM-Path2\_11/5/2
    - ATM-Path5\_11/5/2

953d

953e Connection Parameters

|                  |                                      |  |  |
|------------------|--------------------------------------|--|--|
| Connection Name: | <input type="text" value="test"/>    |  |  |
| Admin Status:    | <input type="text" value="Up"/>      | 953h   |  |
| Customer Name:   | <input type="text" value="Walmart"/> | <input type="button" value="Customer List"/> |  |

953f End Point 1 Parameters:

|  |                                       |  |      |
|--|---------------------------------------|--|------|
| VPI:   | <input type="text" value="953i"/>     | <input checked="" type="checkbox"/> Use Any VPI Value    | 953k |
| VCI:   | <input type="text" value="953m"/>     | <input type="checkbox"/> Use Any VCI Value               | 953o |
| Transmit Traffic Descriptor:   | <input type="text" value="VBR-high"/> | <input type="button" value="Add Traffic Descriptor..."/> |      |
| Receive Traffic Descriptor:  | <input type="text" value="VBR-high"/> | 953q   |      |
| <input type="checkbox"/> Use the same Traffic Descriptor for both Transmit and Receive |                                       |  |      |

953g End Point 2 Parameters:

|  |                                       |   |      |
|--|---------------------------------------|---|------|
| VPI:   | <input type="text" value="953j"/>     | <input checked="" type="checkbox"/> Use Any VPI Value     | 953l |
| VCI:   | <input type="text" value="953n"/>     | <input type="checkbox"/> Use Any VCI Value                | 953p |
| Transmit Traffic Descriptor:   | <input type="text" value="VBR-high"/> | <input type="button" value="Add Traffic Descriptors..."/> |      |
| Receive Traffic Descriptor:  | <input type="text" value="VBR-high"/> | 953r  |      |
| <input type="checkbox"/> Use the same Traffic Descriptor for both Transmit and Receive |                                       |   |      |

953u
953w
953v

FIG. 5X

956

NEW TRAFFIC  
DESCRIPTOR

NAME:

QoS CLASS:

▼

TYPE:

▼

OK

CANCEL

FIG. 5Y



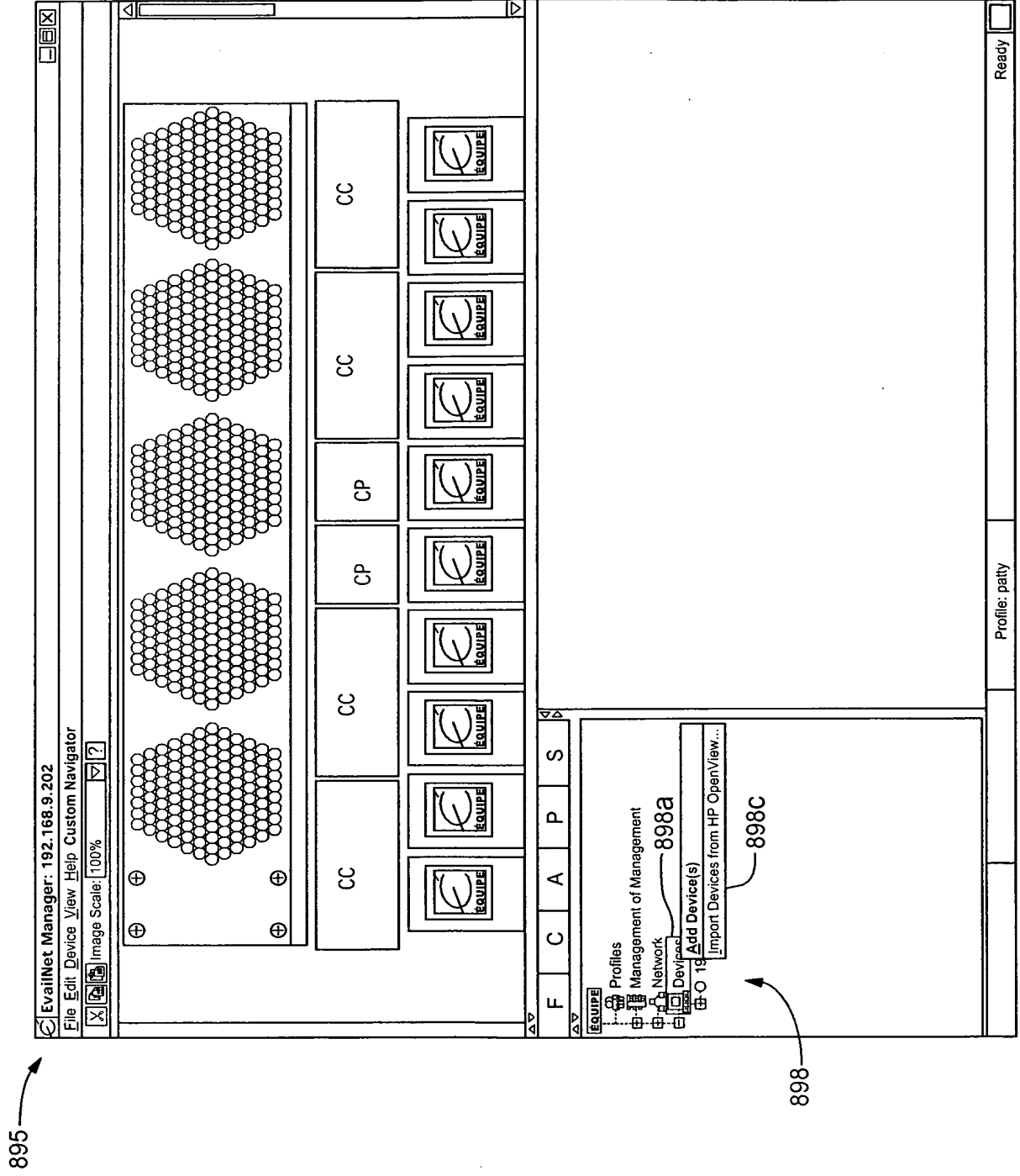


FIG. 6A

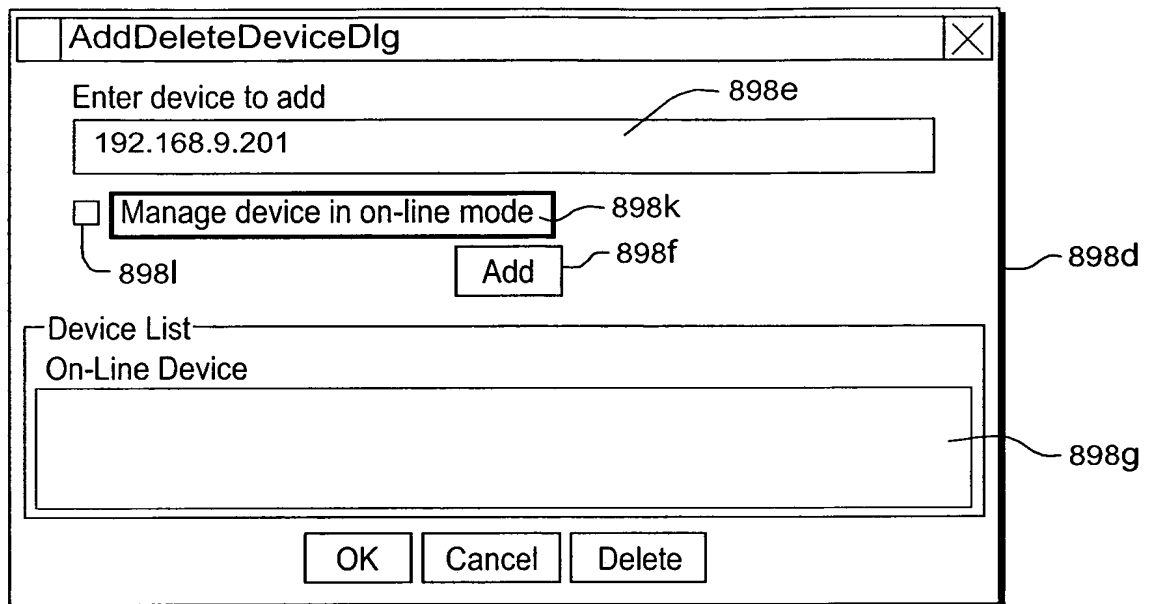


FIG. 6B

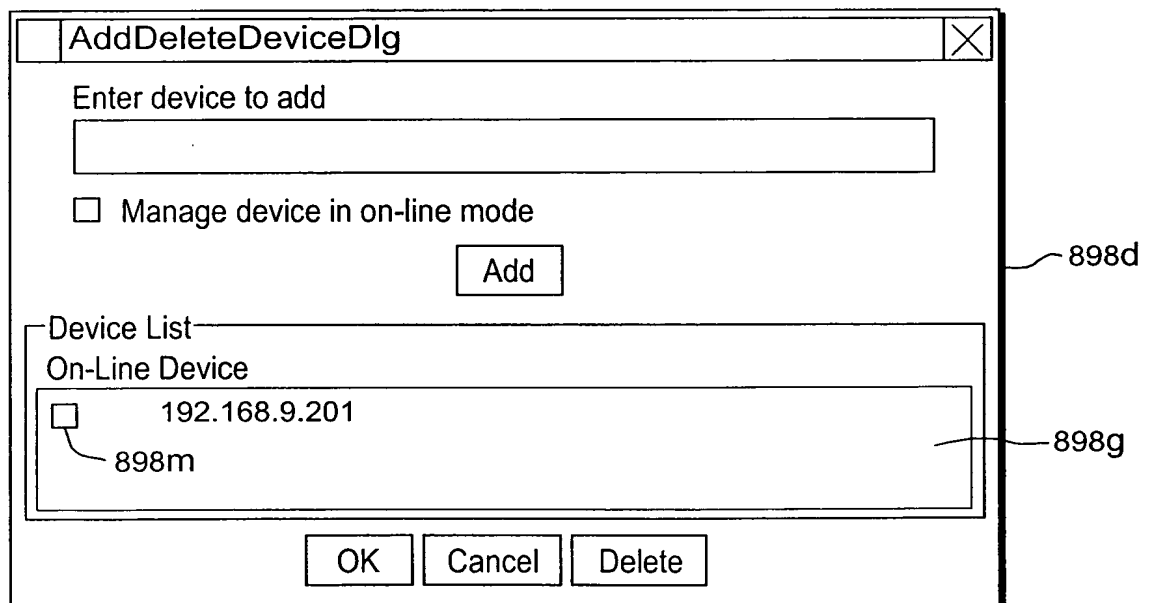


FIG. 6C

895

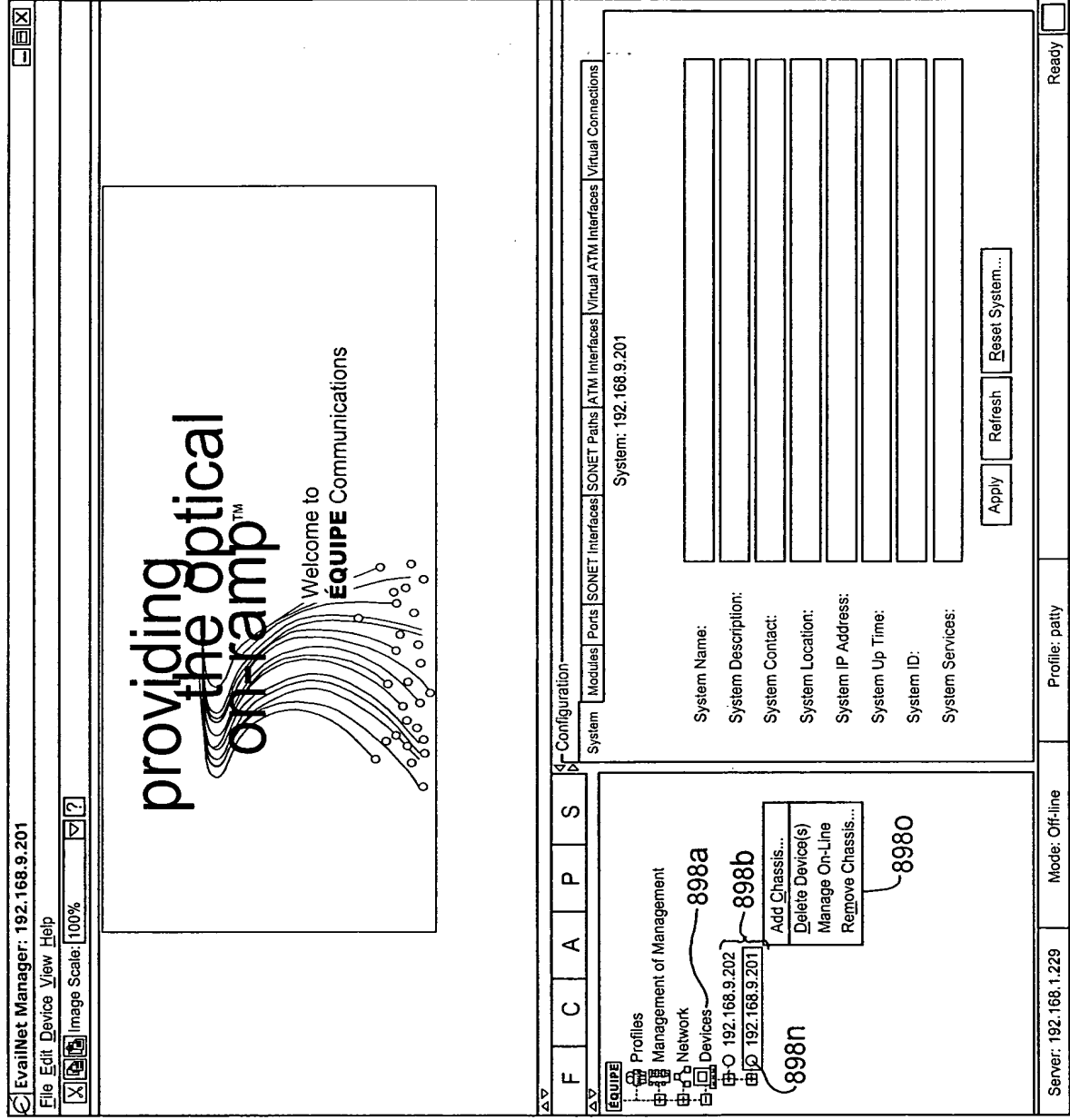


FIG. 6D



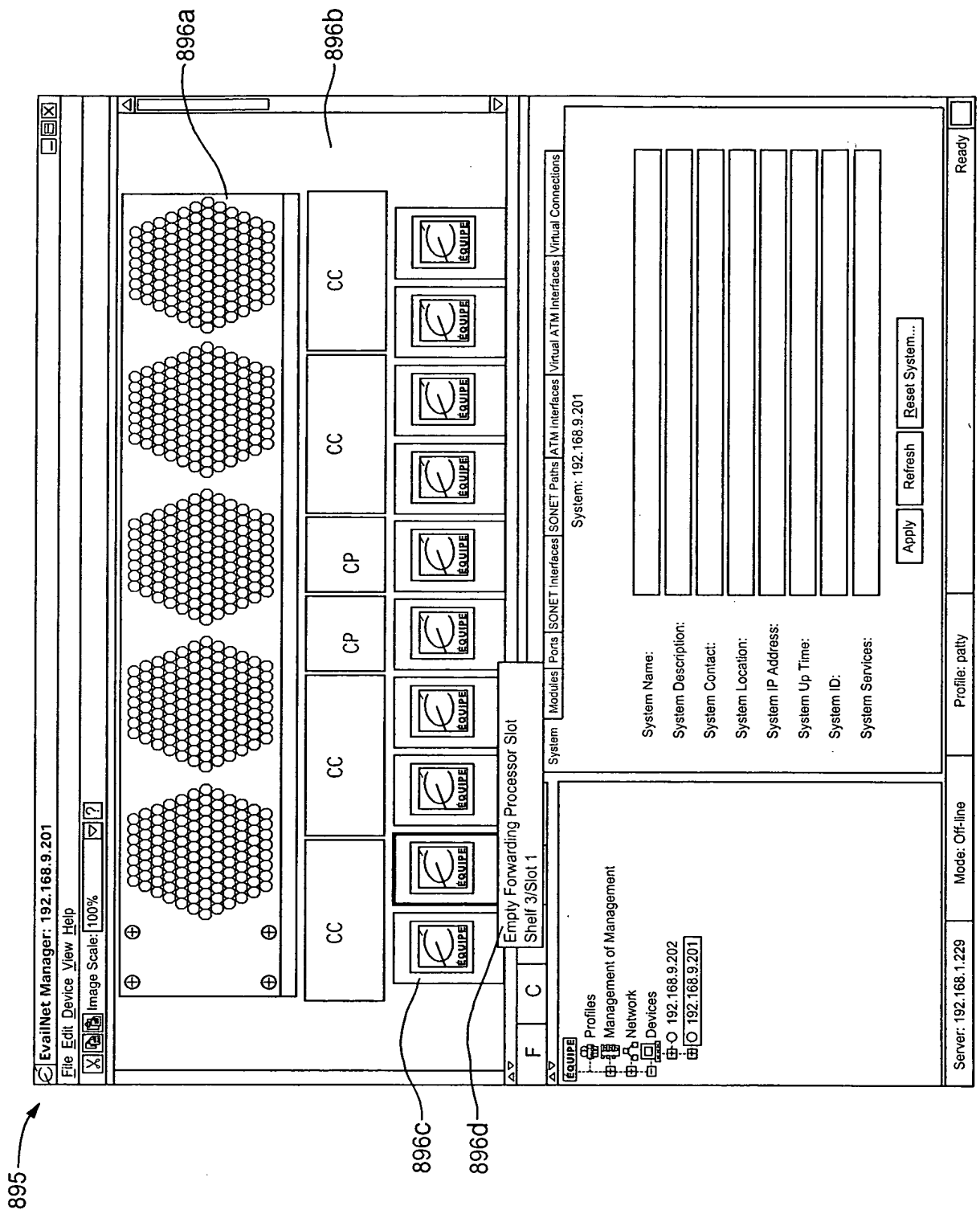


FIG. 6E

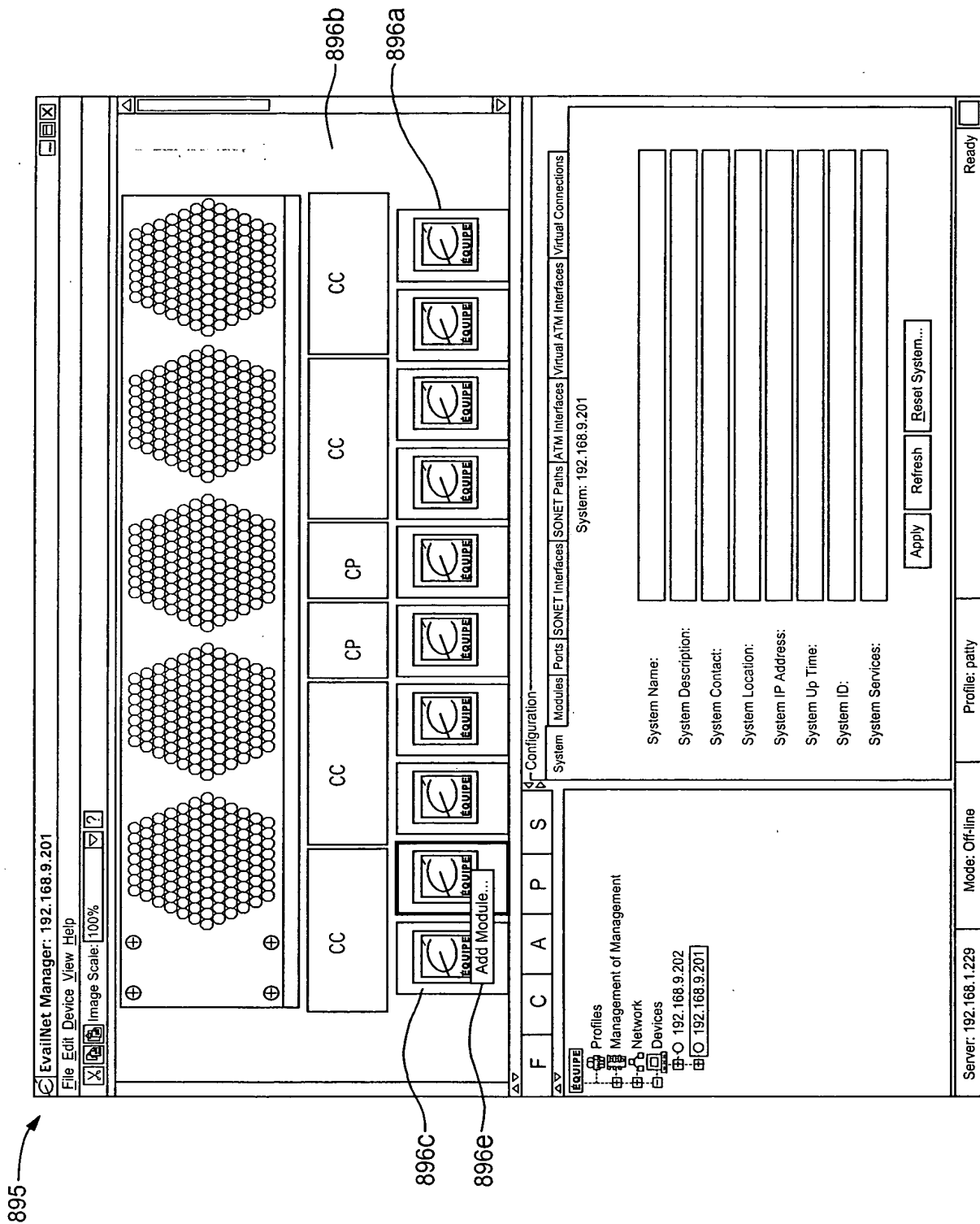


FIG. 6F

895

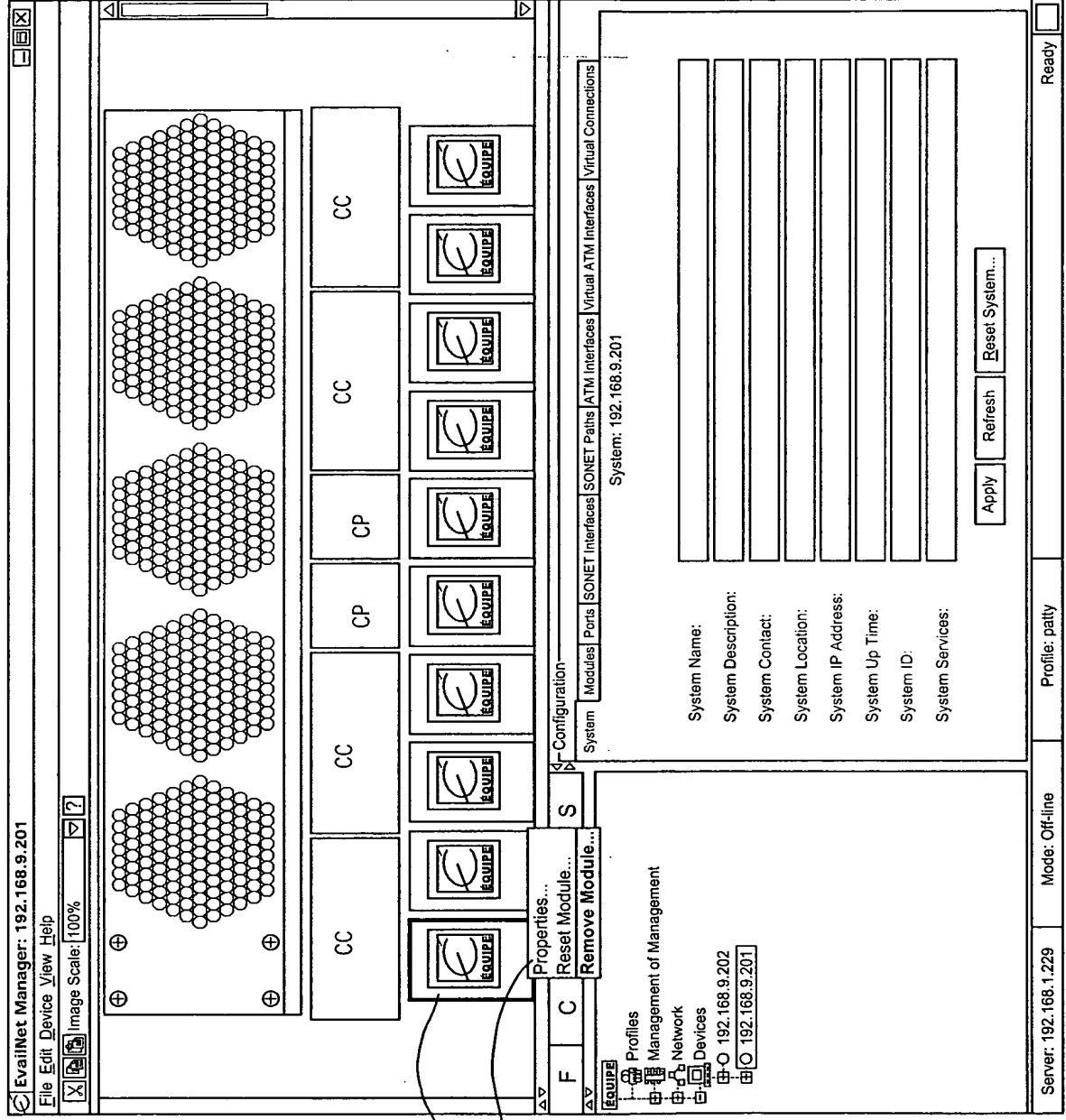


FIG. 6G

895

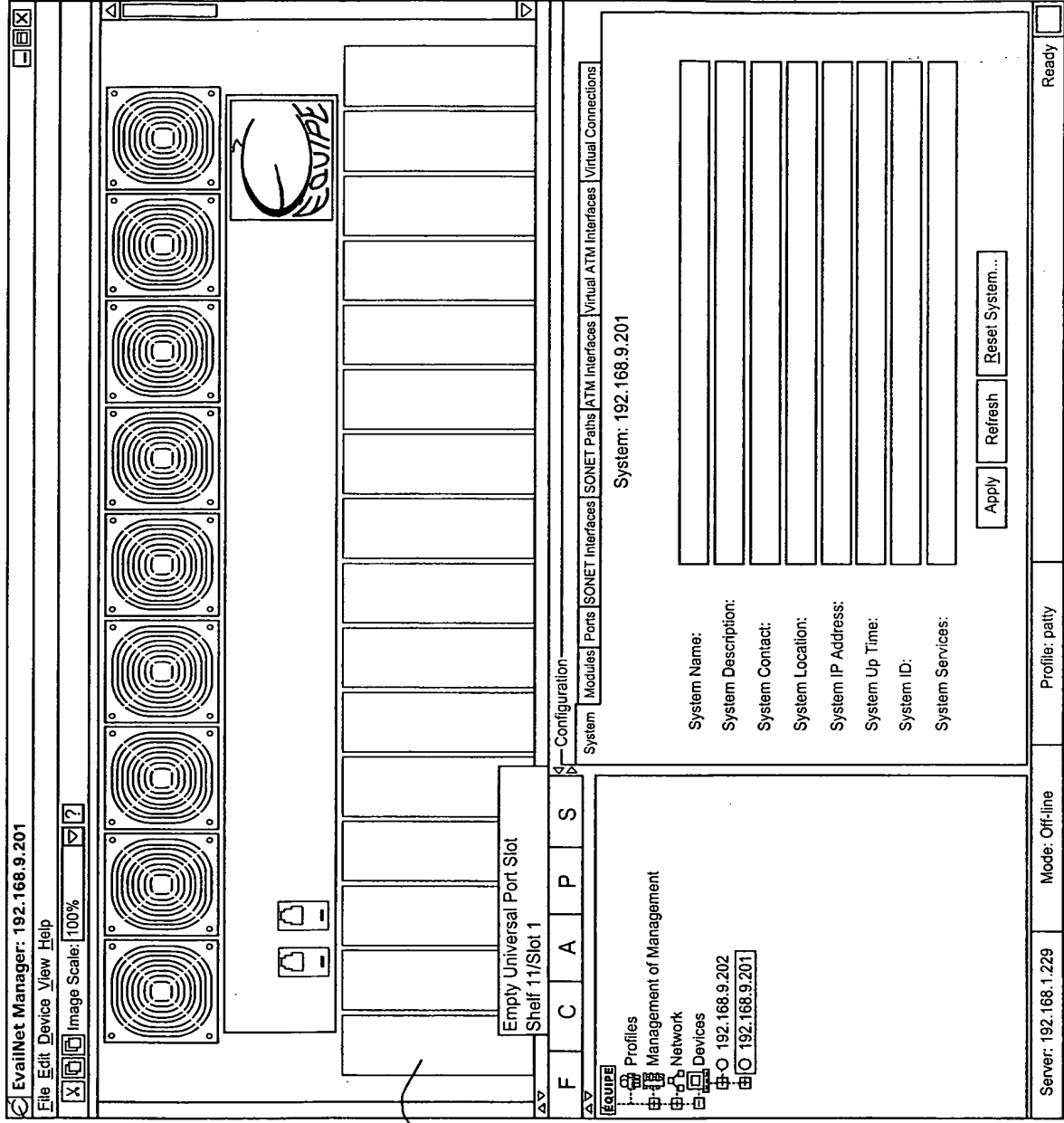


FIG. 6H

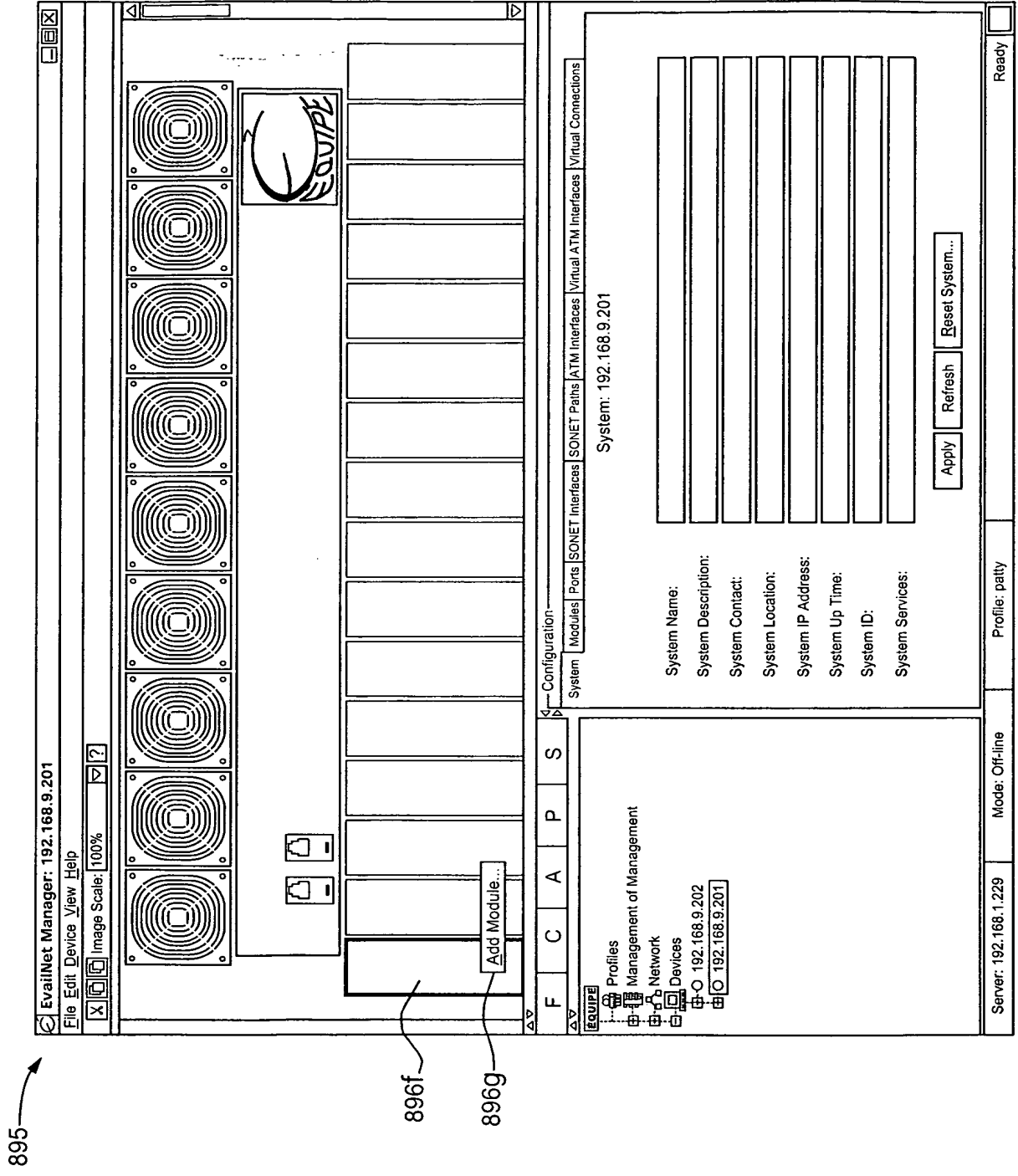


FIG. 6I

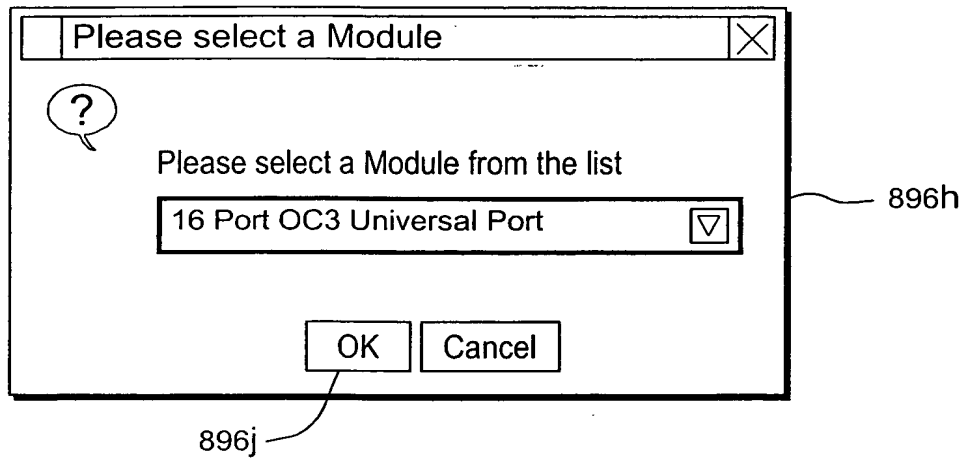


FIG. 6J

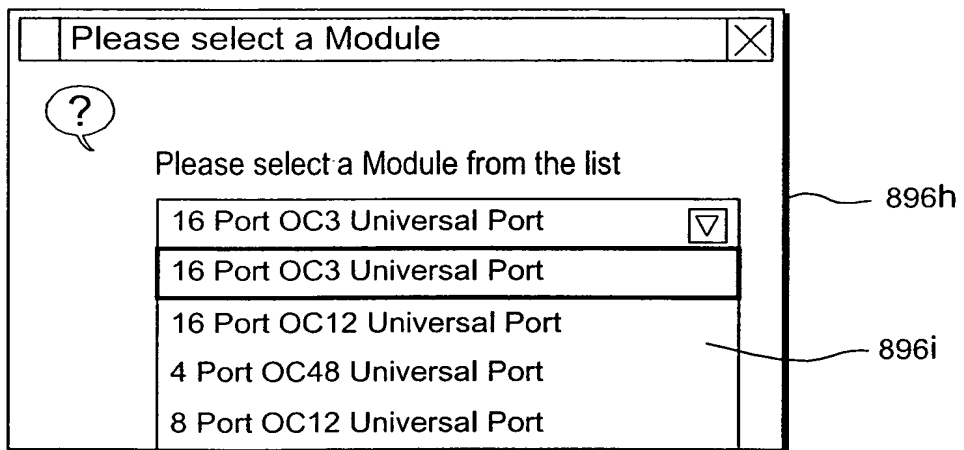
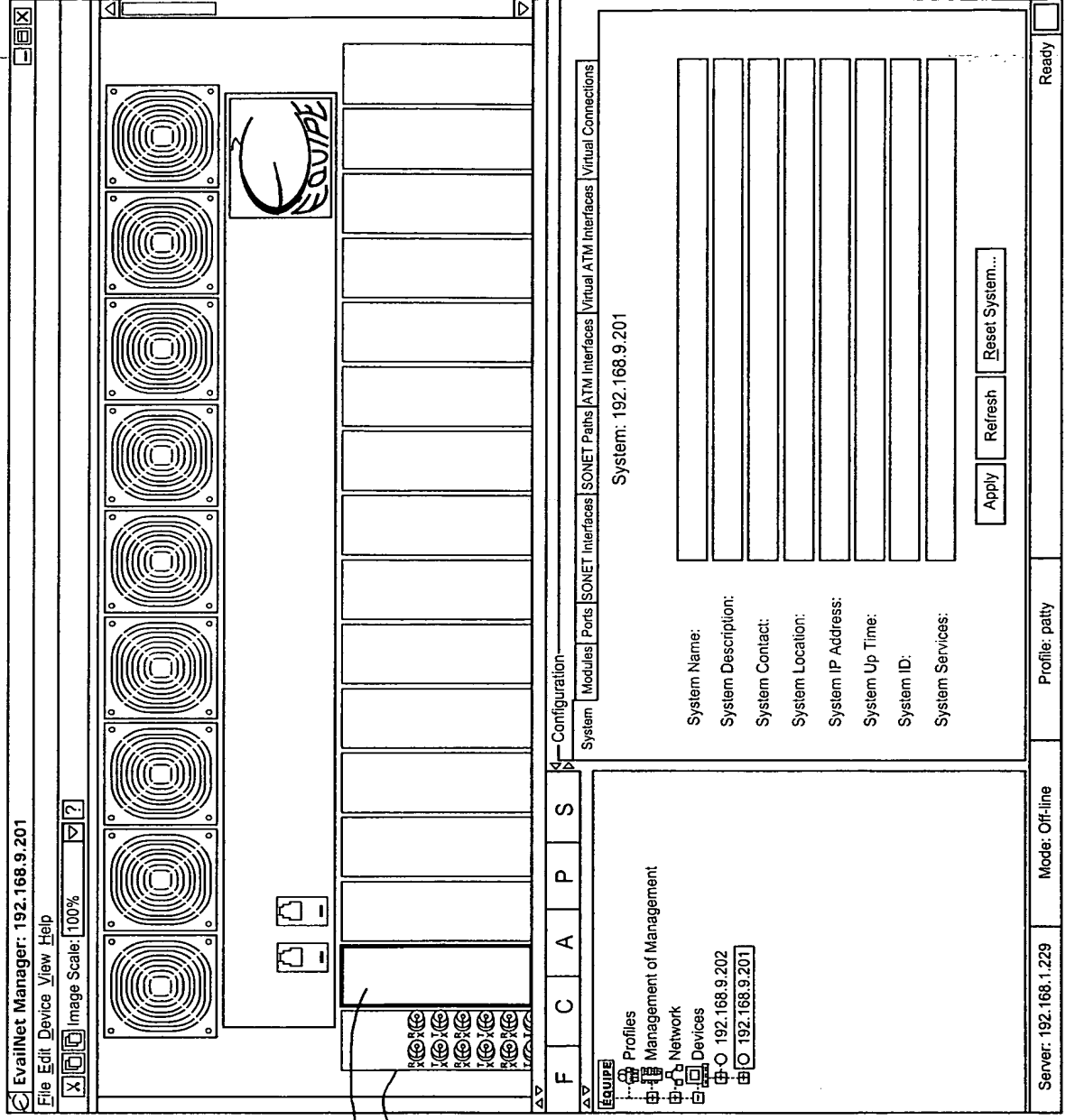


FIG. 6K

895



556i  
556h

FIG. 6L

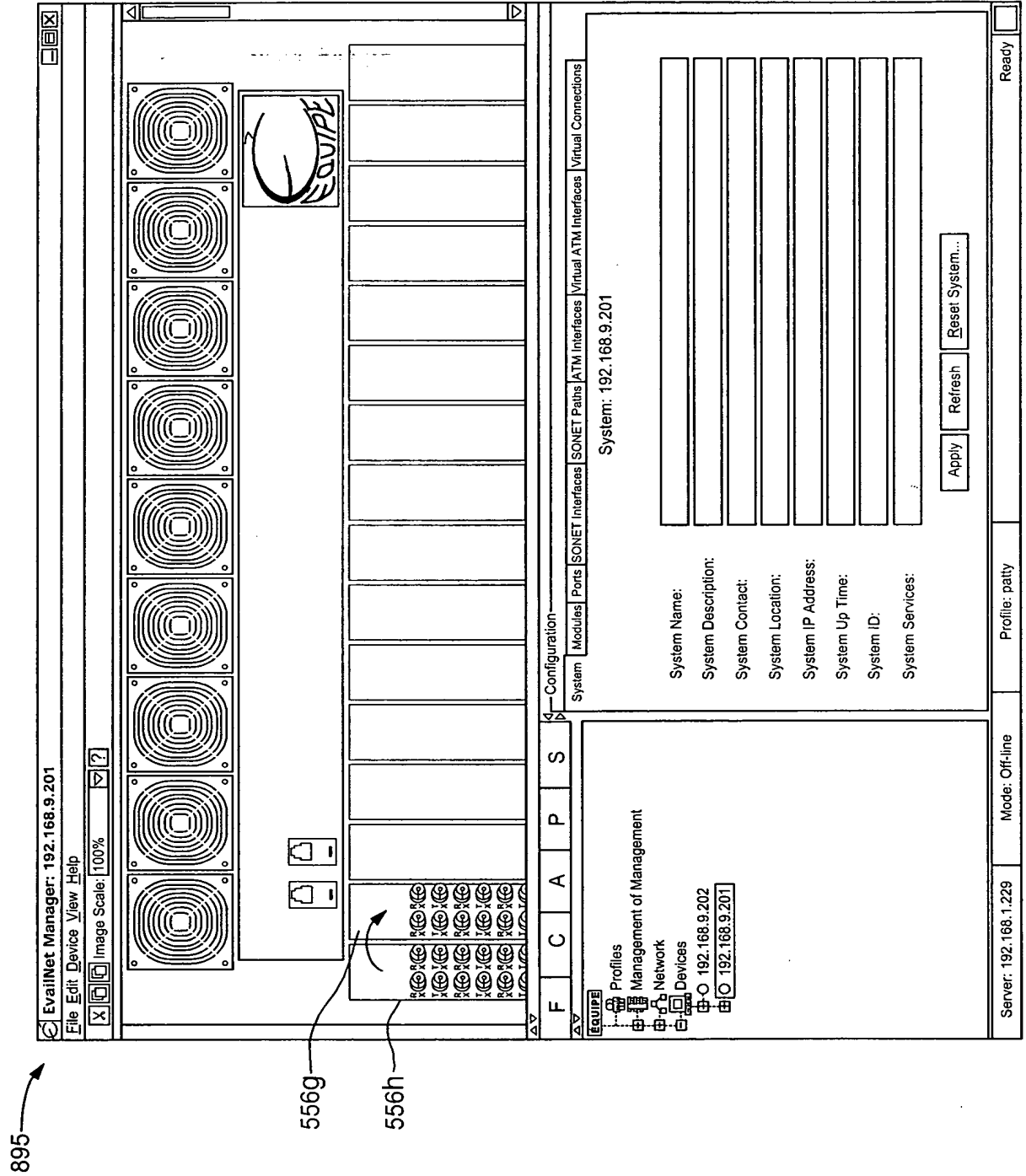


FIG. 6M



895

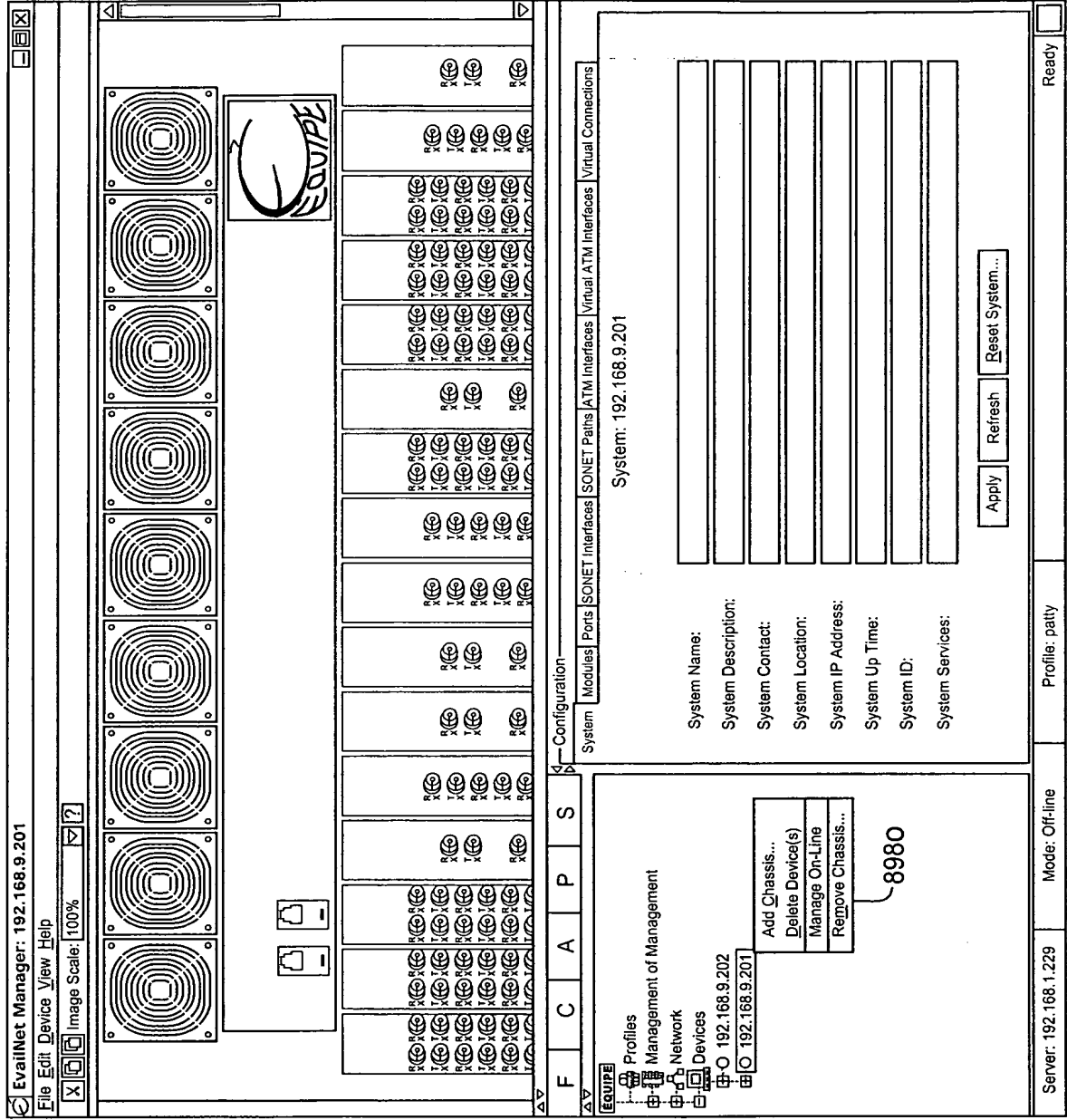


FIG. 6N

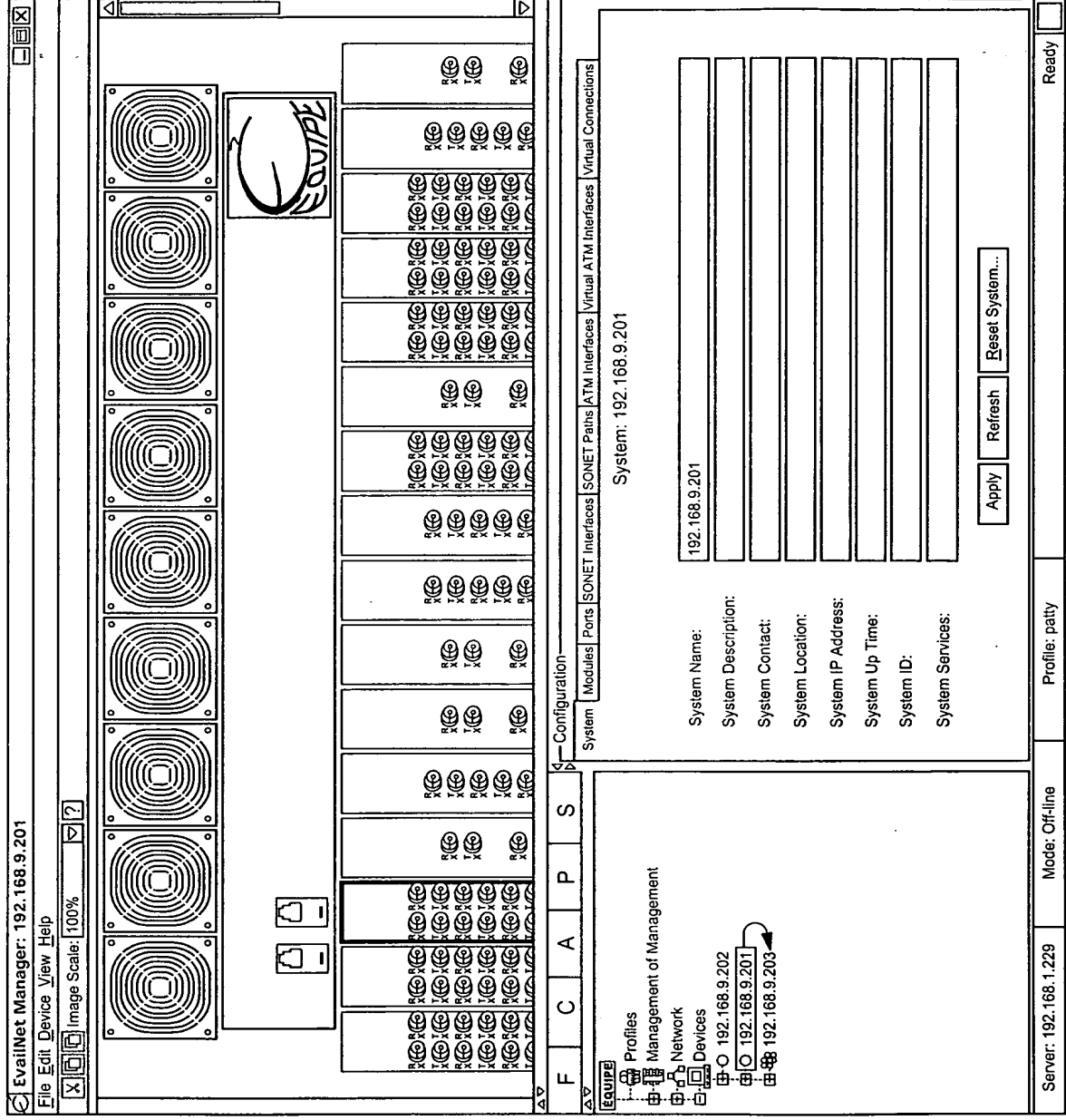


FIG. 60

895

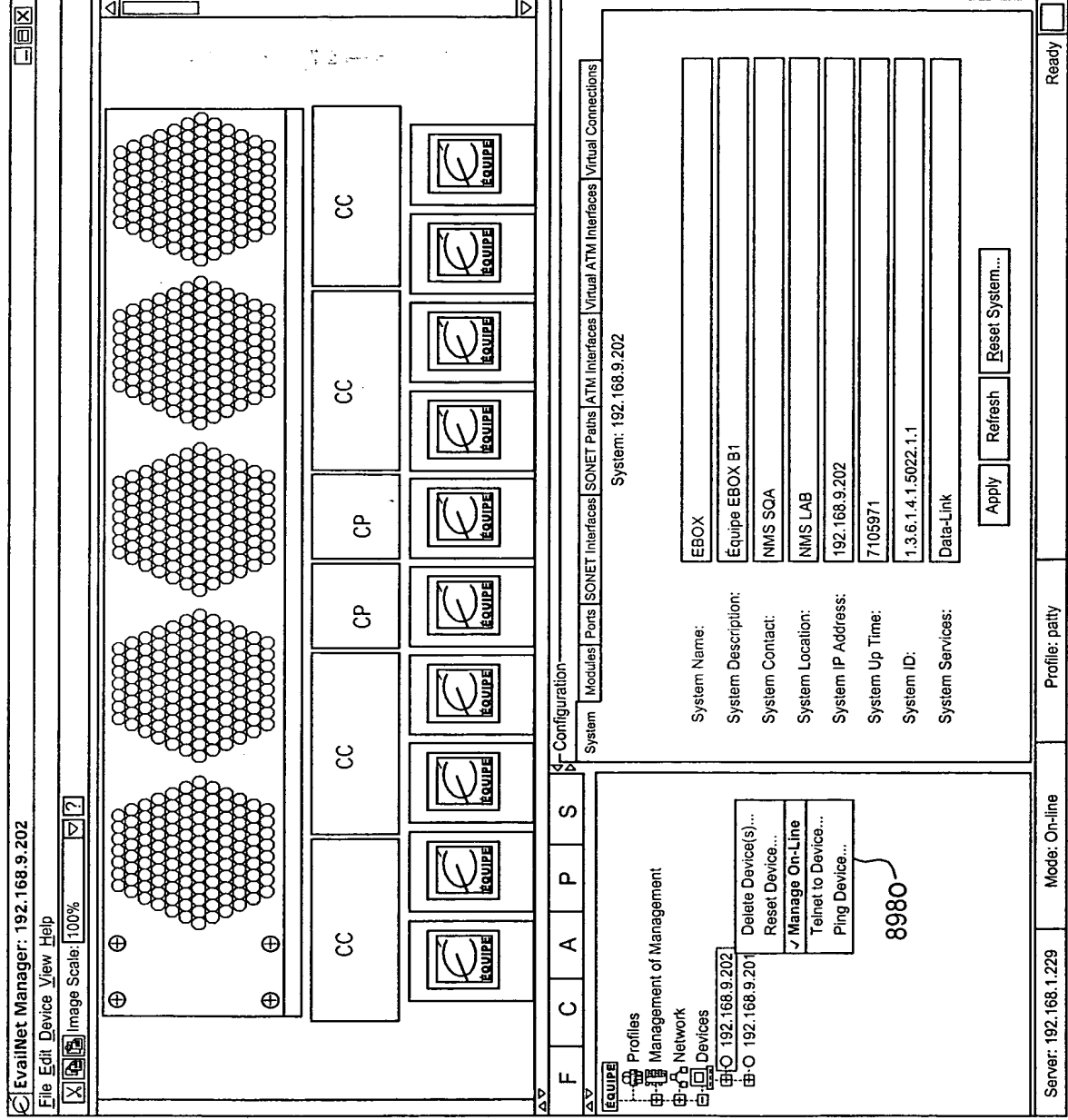


FIG. 6P

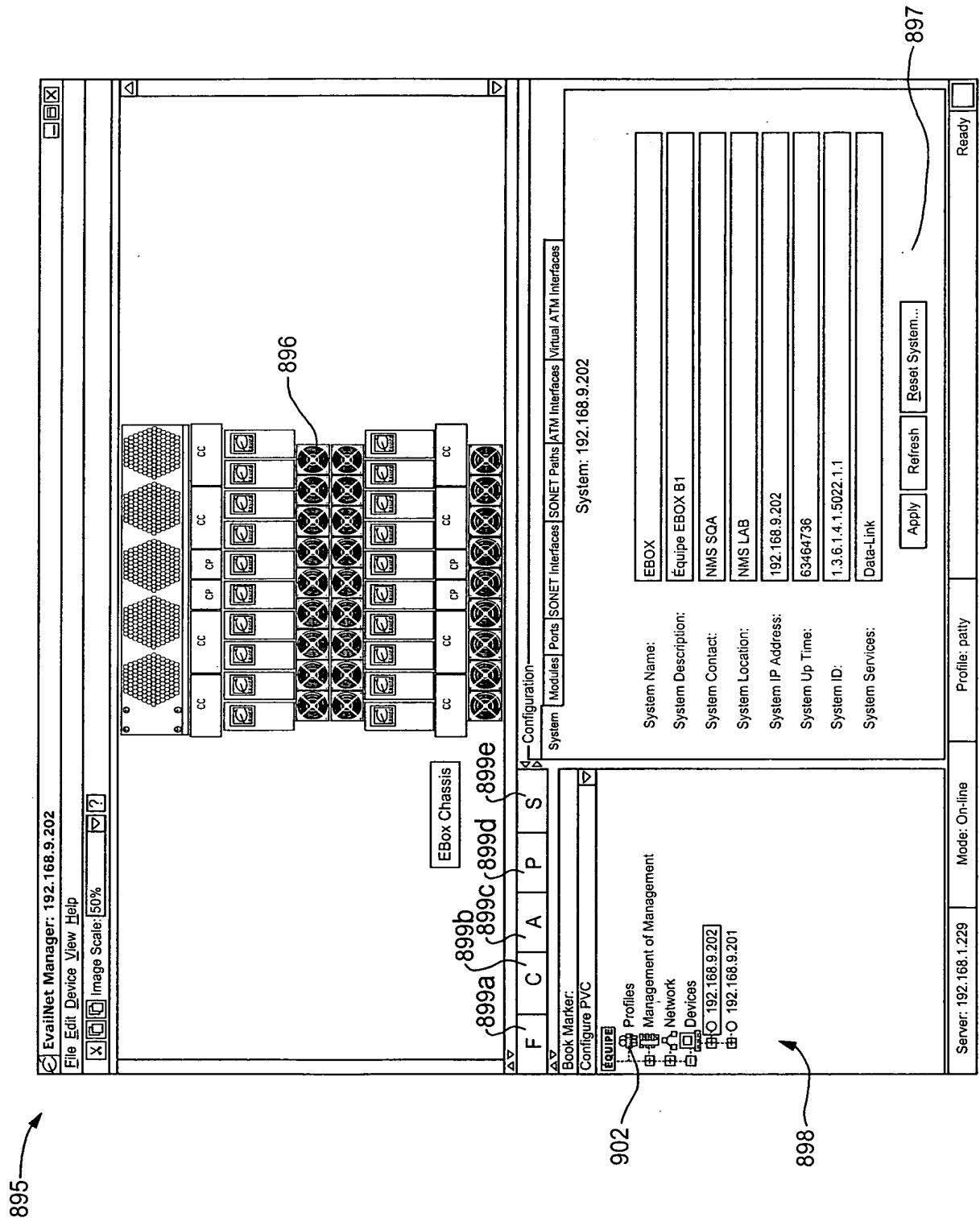


FIG. 7A

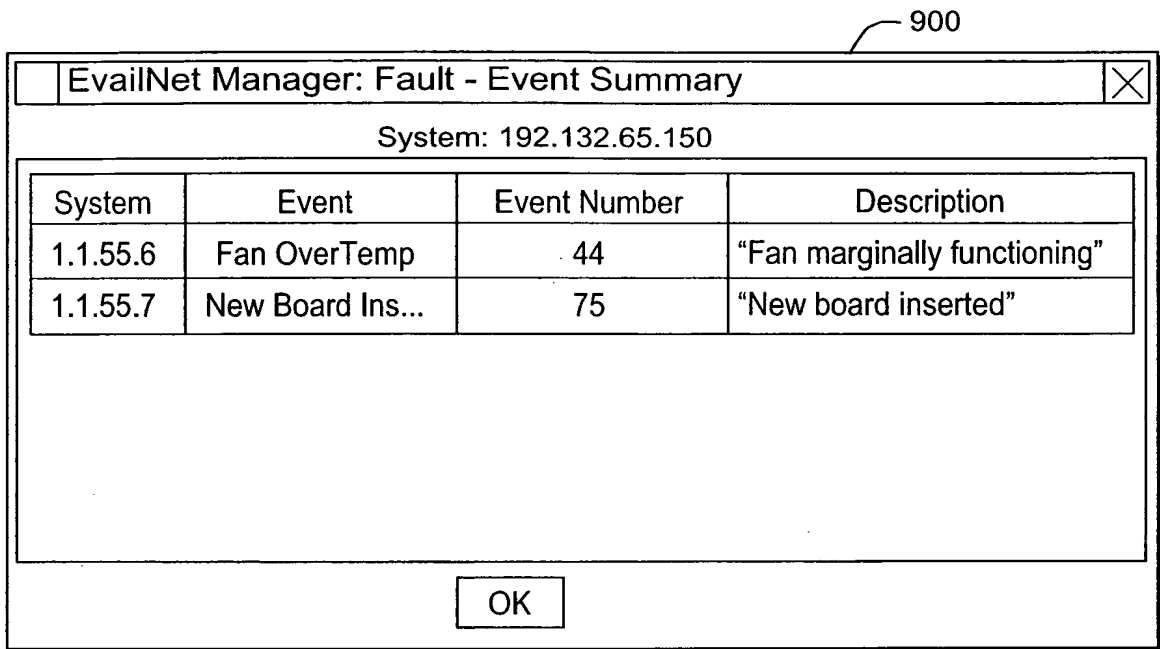


FIG. 7B

EvaiNet Manager: 192.168.9.202

File

Edit

Device

View

Help

X

Image Scale: 50%

?

899a

899b

899C

899d

899e

F

C

A

P

S

SHMP Configuration Changes

System: 192.168.9.202

SHMP Community Strings

READ Community: public

READ/WRITE Community: public

Command Line Interpreter (CLI)

Administrator Password: root

Apply

Book Marks

Configure PVC

EQUIPE

Profiles

Management of Management

Server: 192.168.9.202

Mode: On-line

Profile:

Ready

FIG. 7C

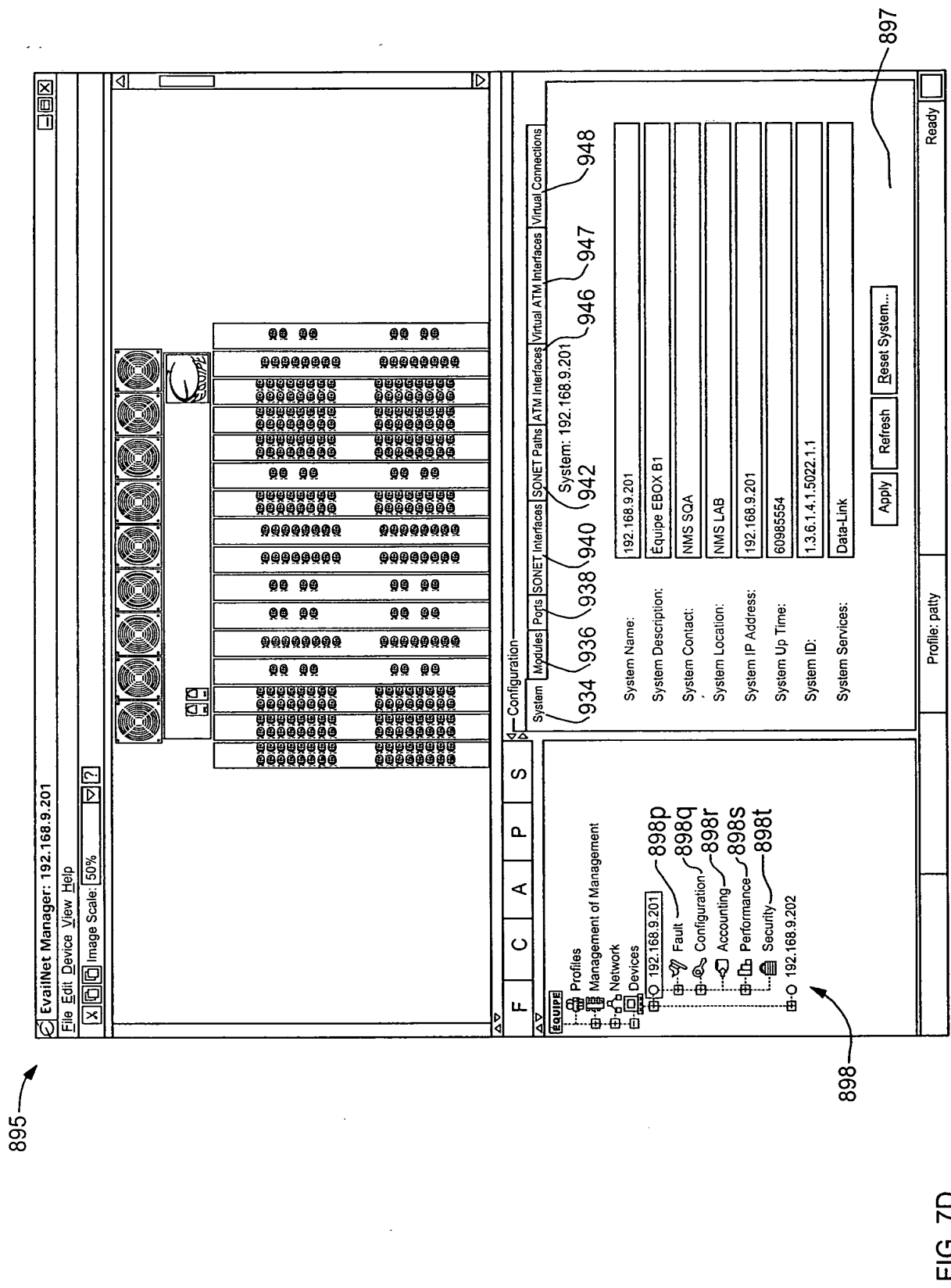
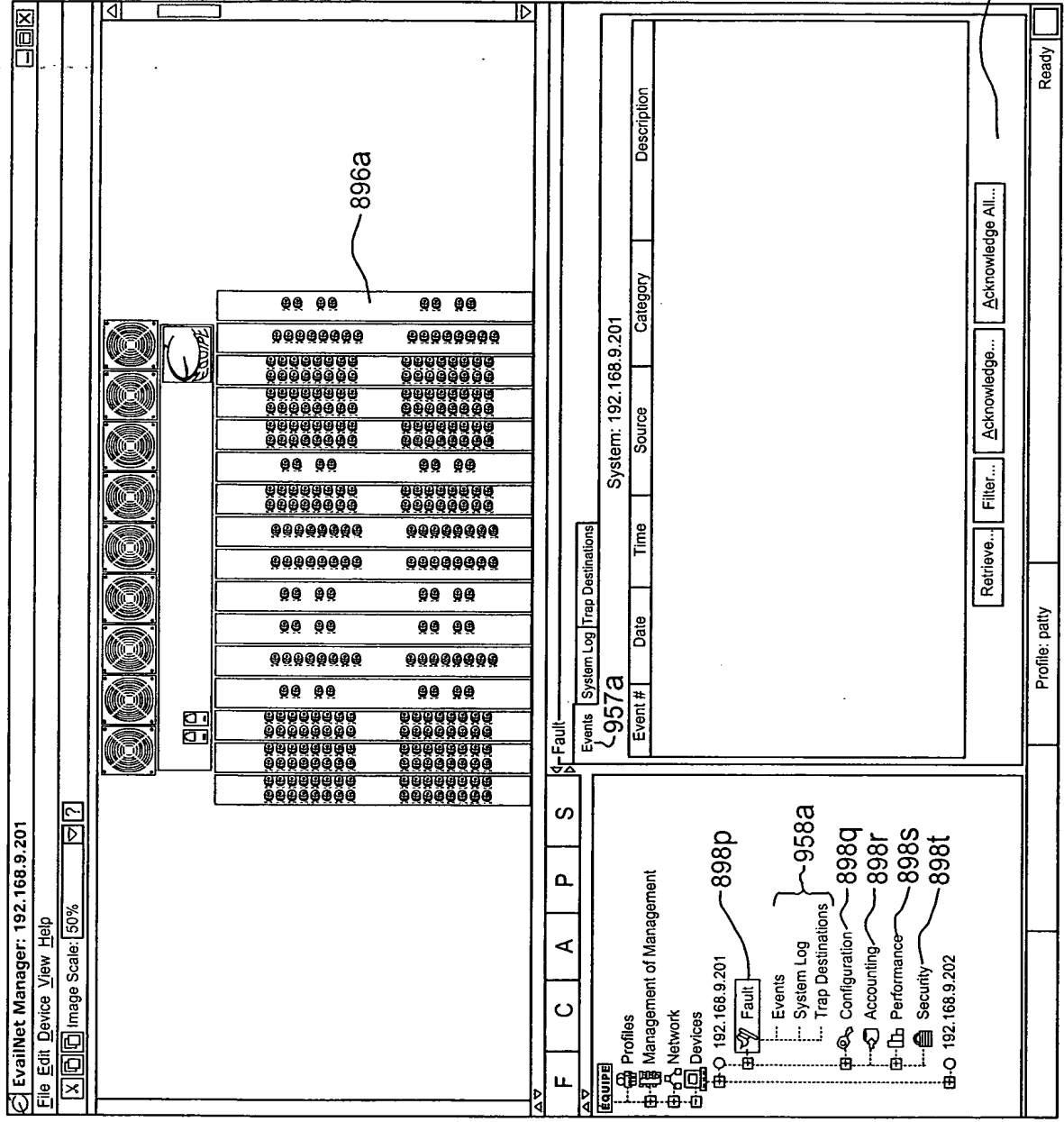


FIG. 7D

895



897

FIG. 7E





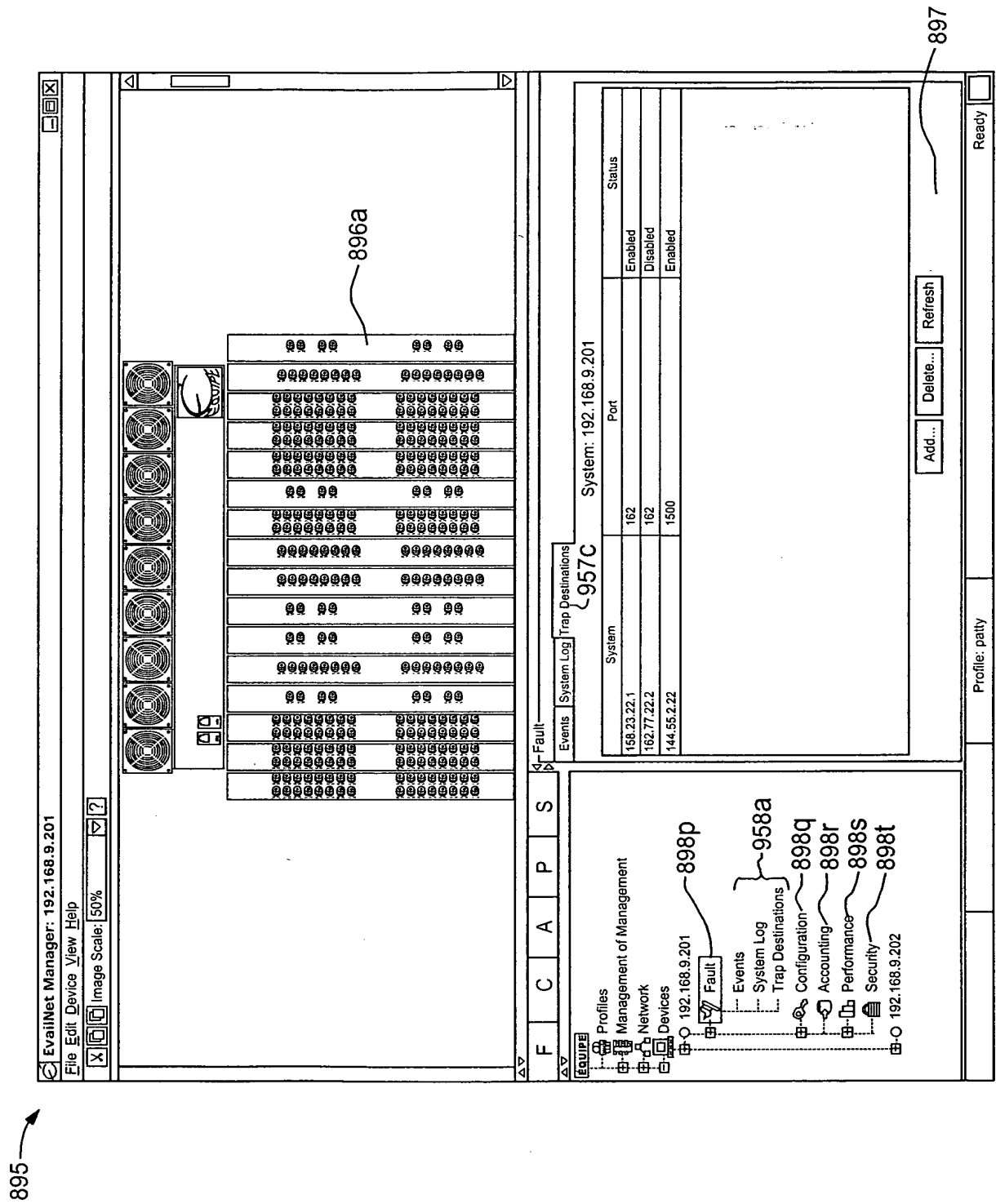


FIG. 7G

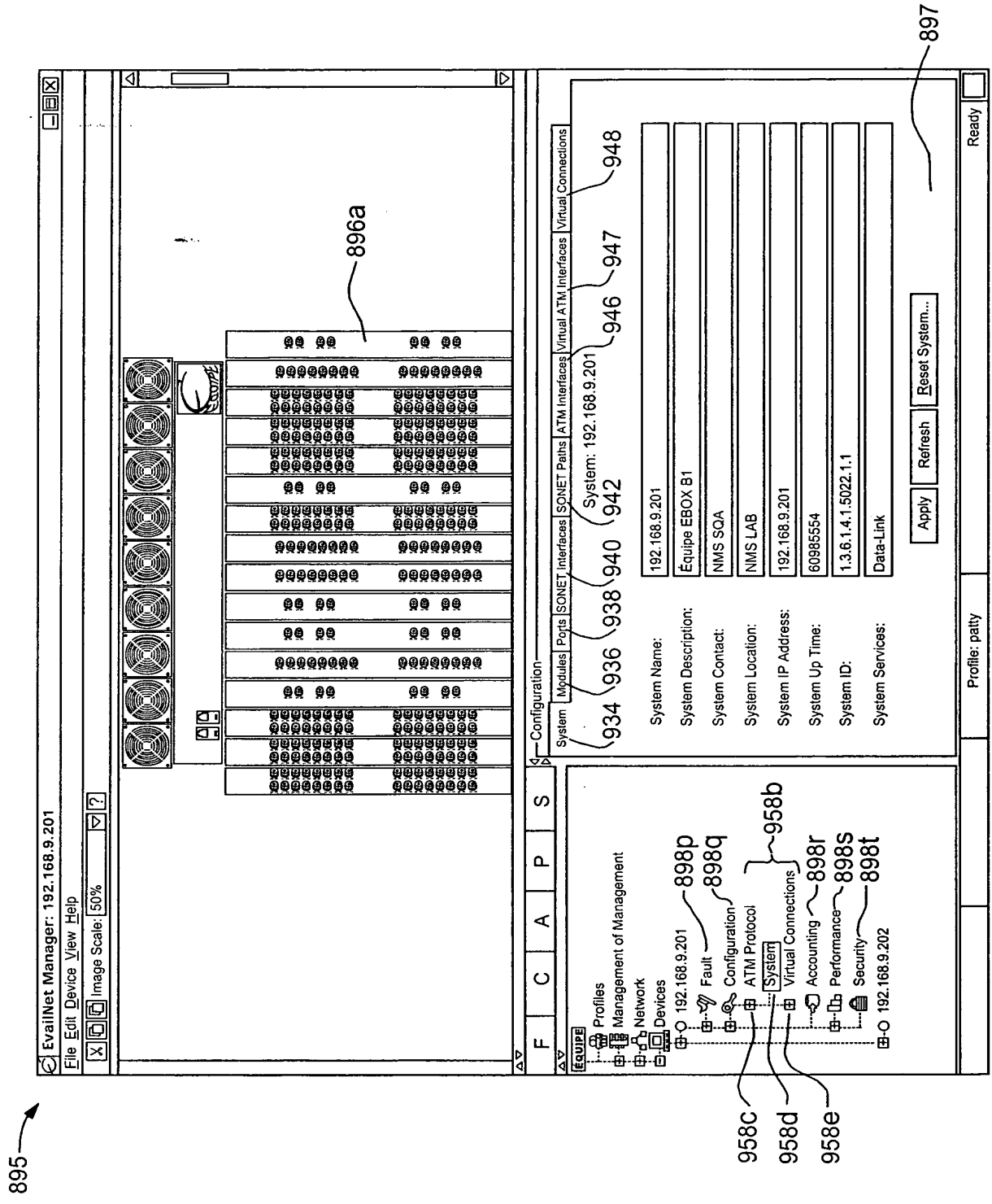


FIG. 7H

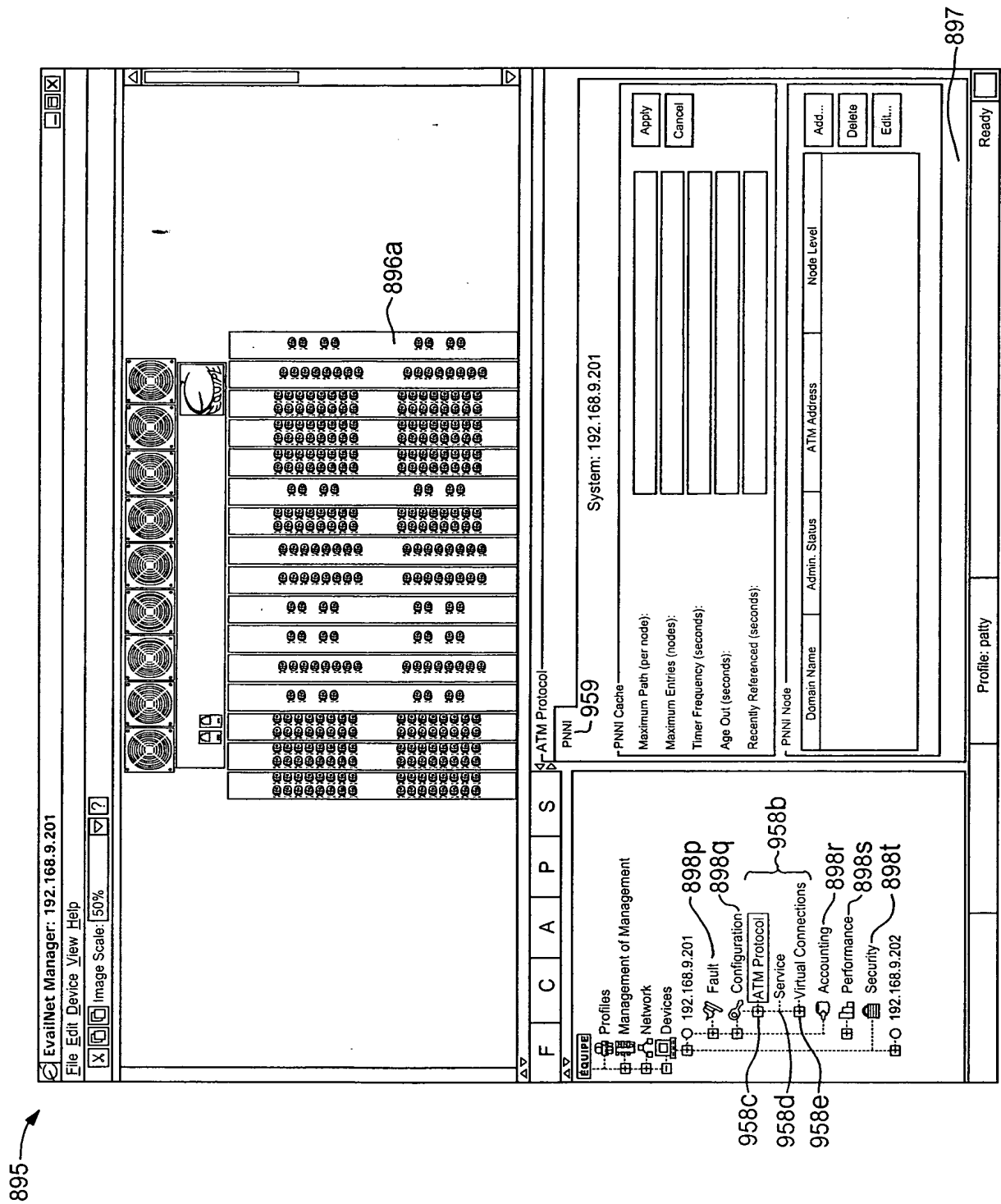


FIG. 71

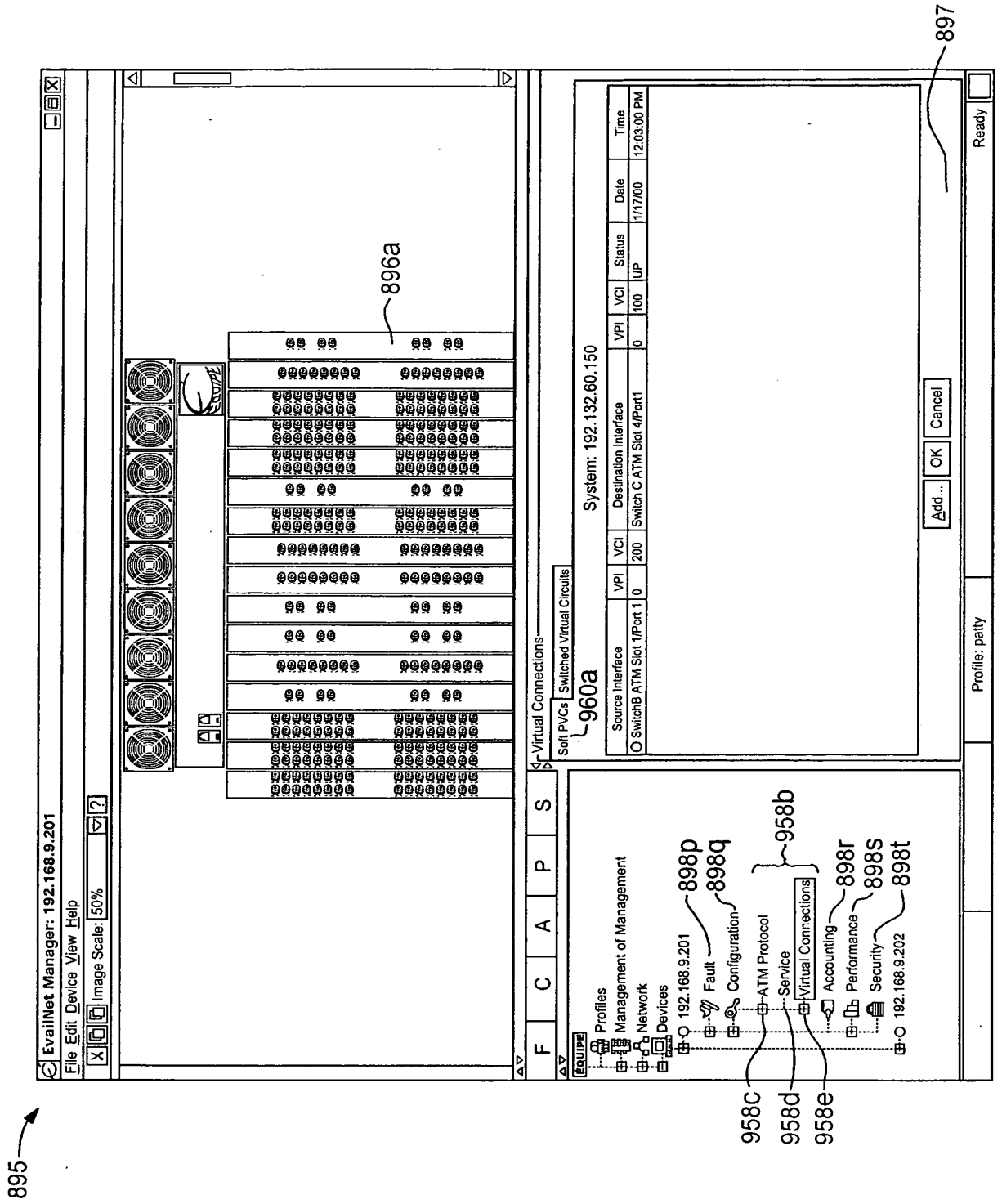


FIG. 7J

FIG. 7K

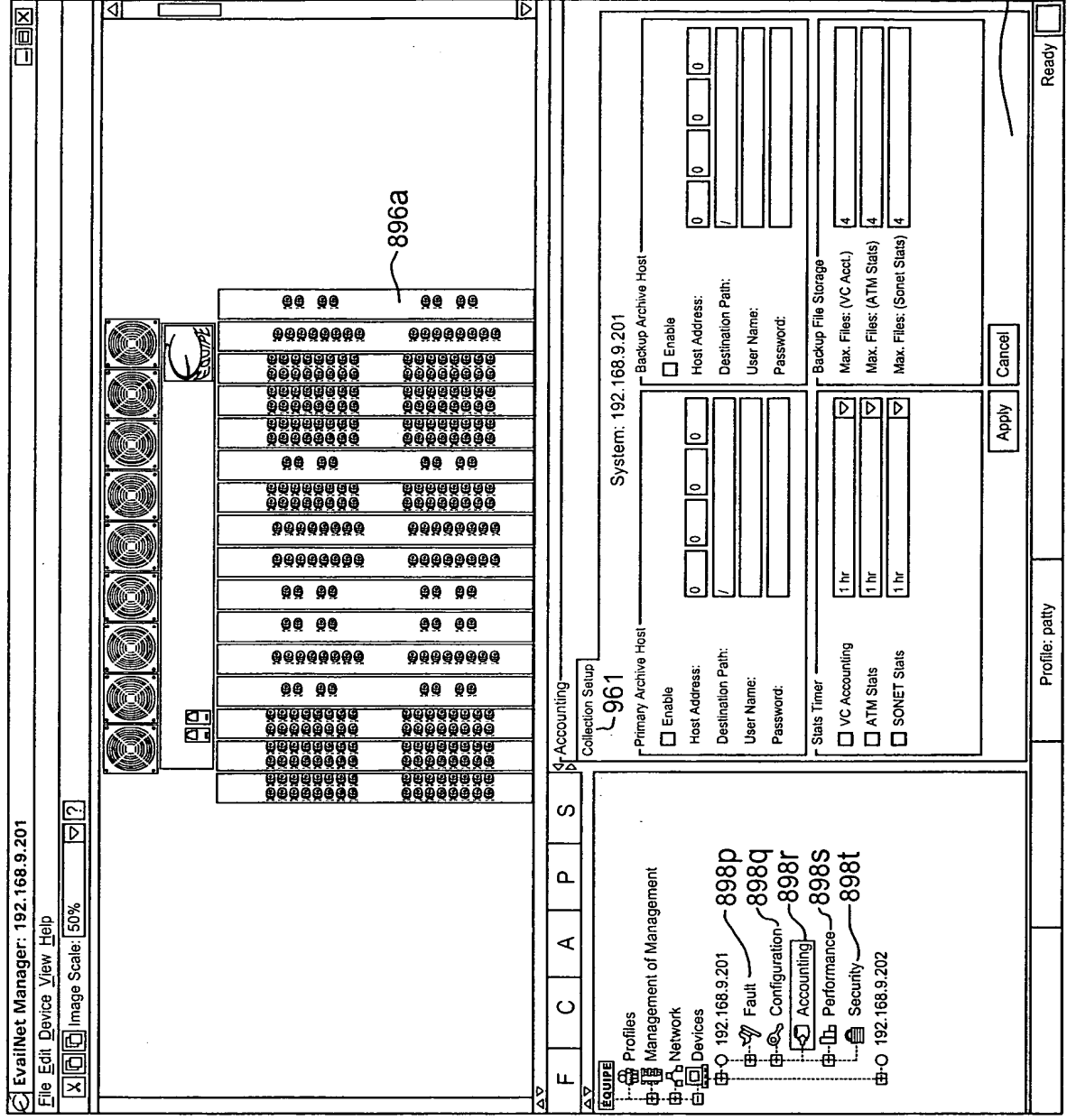


FIG. 7L

895

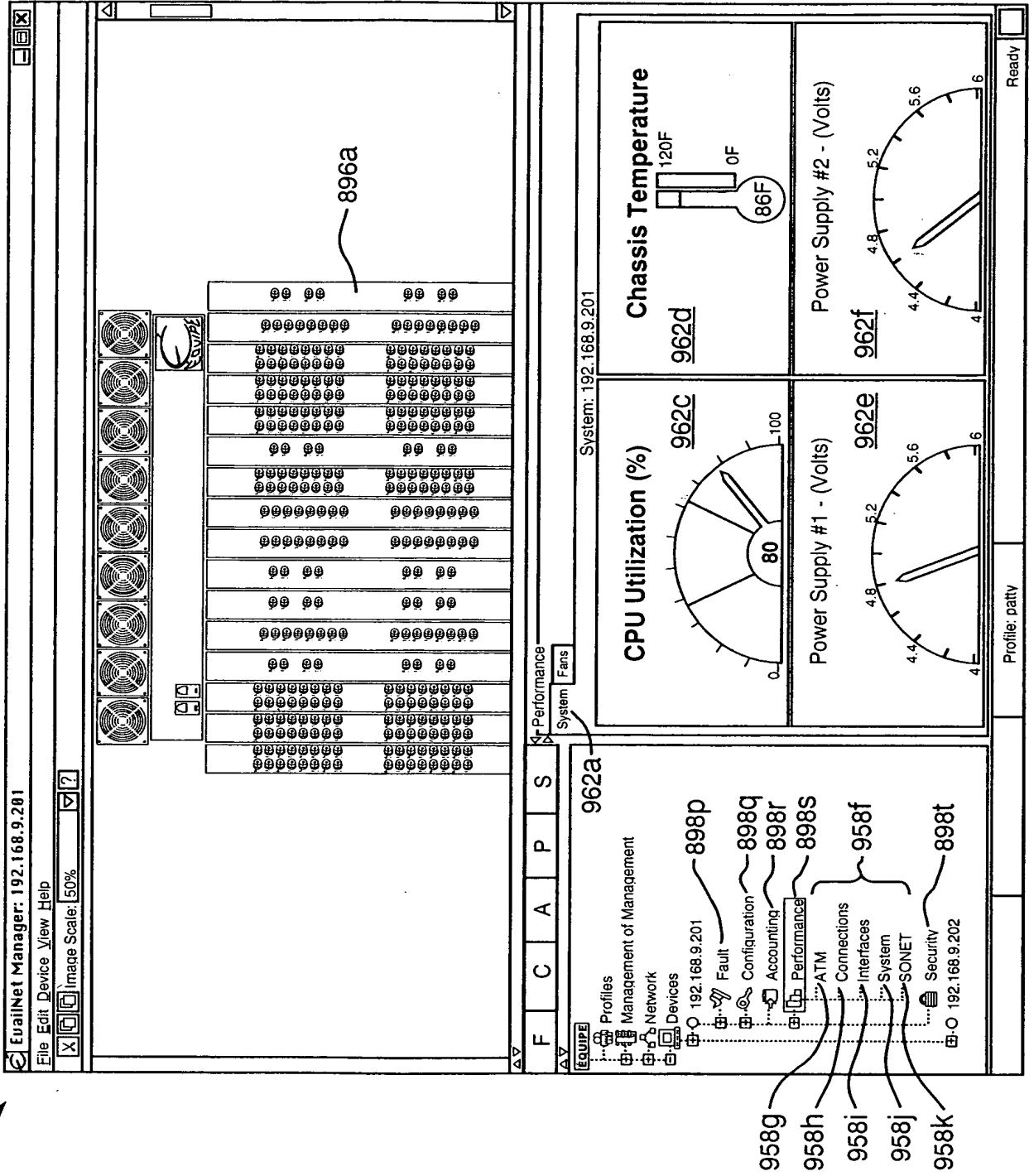


FIG. 7M



895

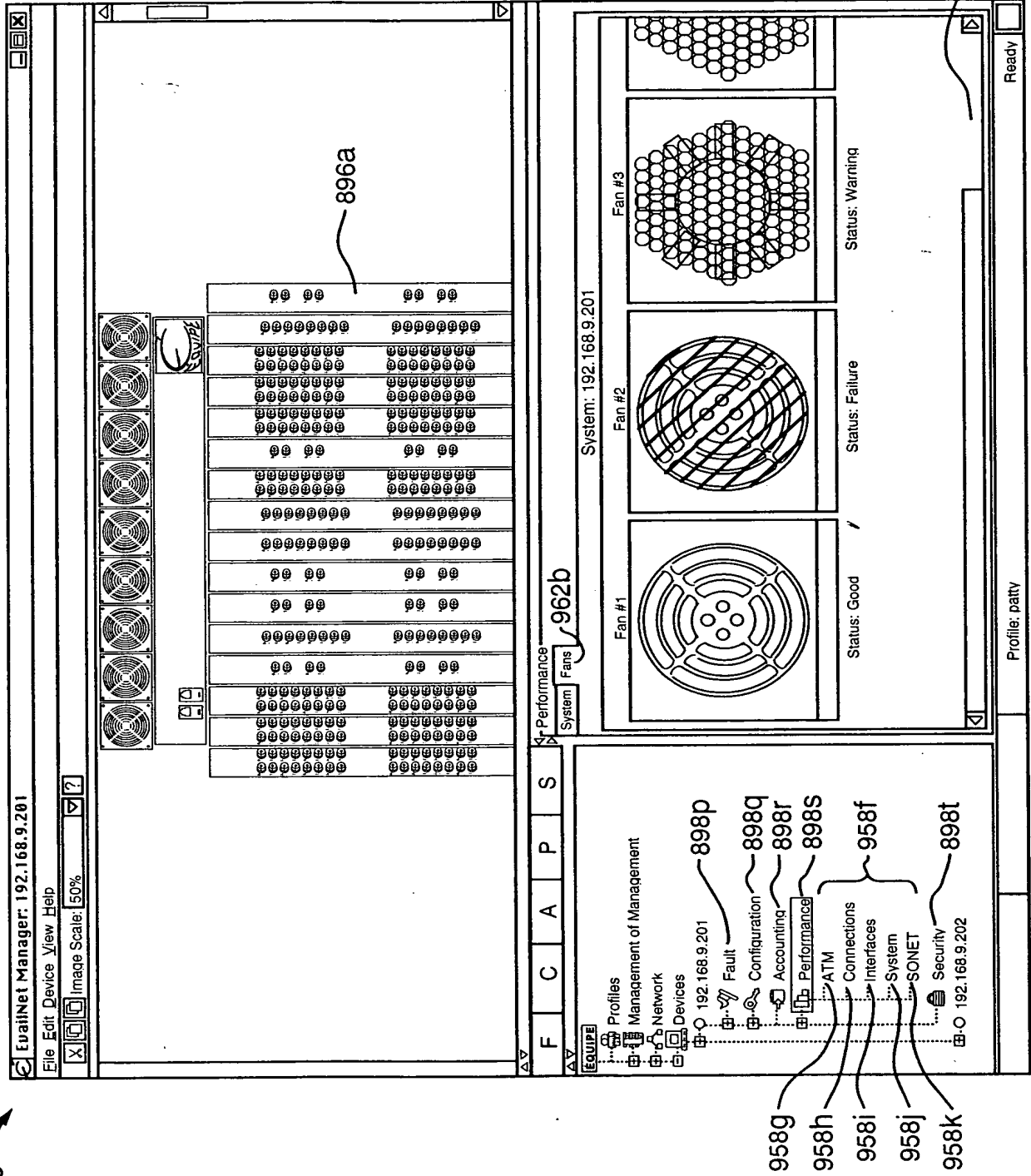


FIG. 7N

895

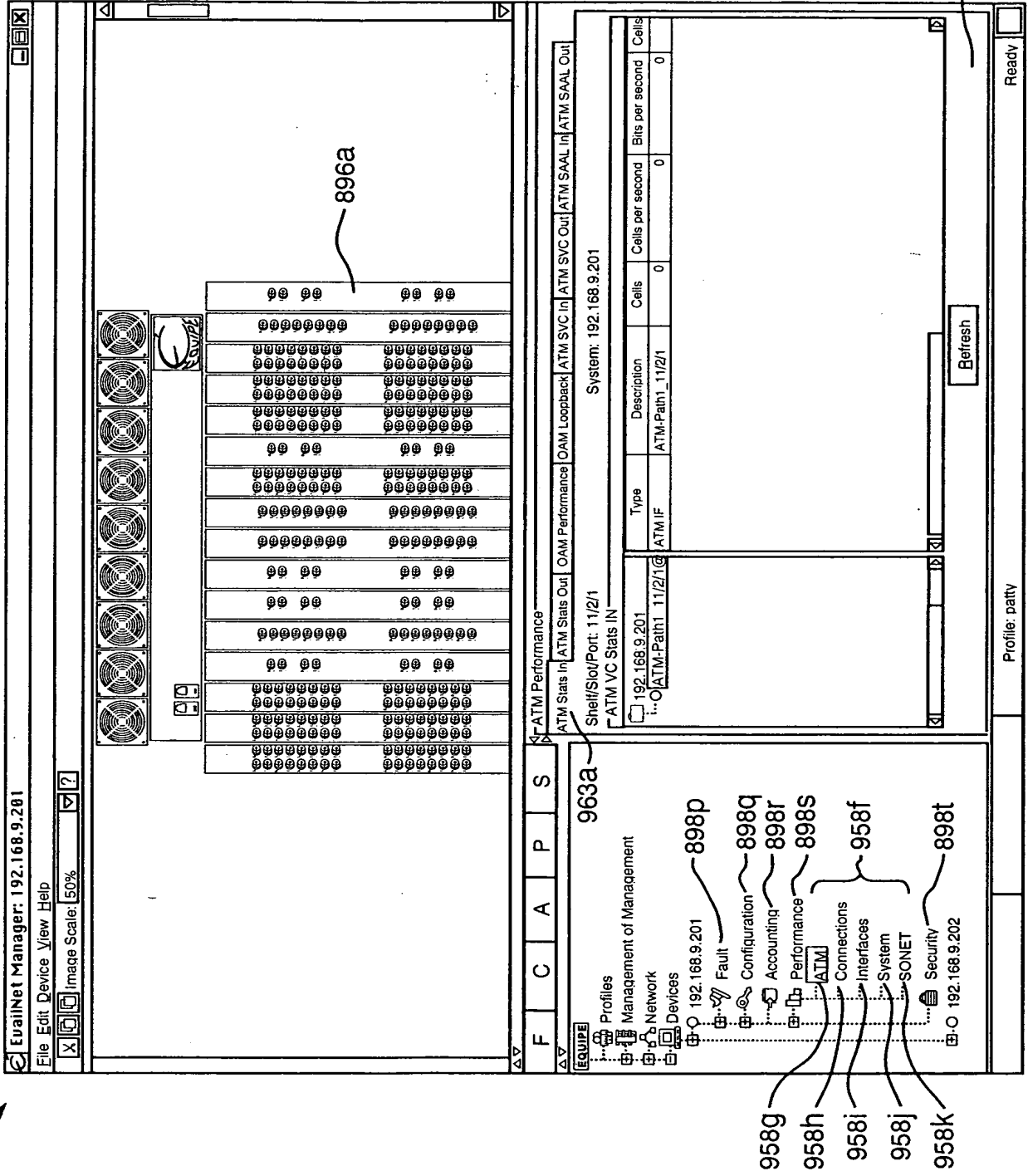


FIG. 70

895

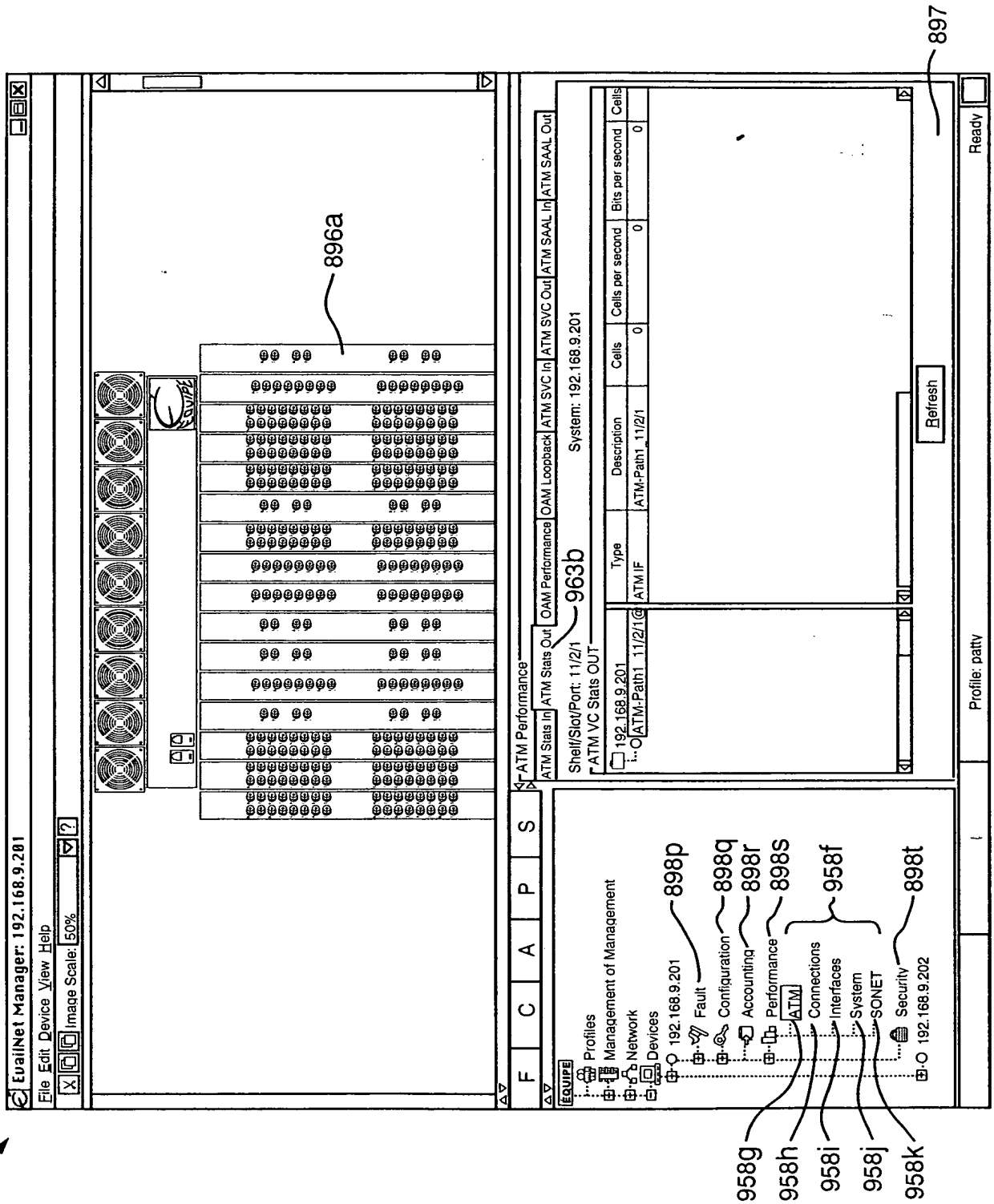


FIG. 7P

895

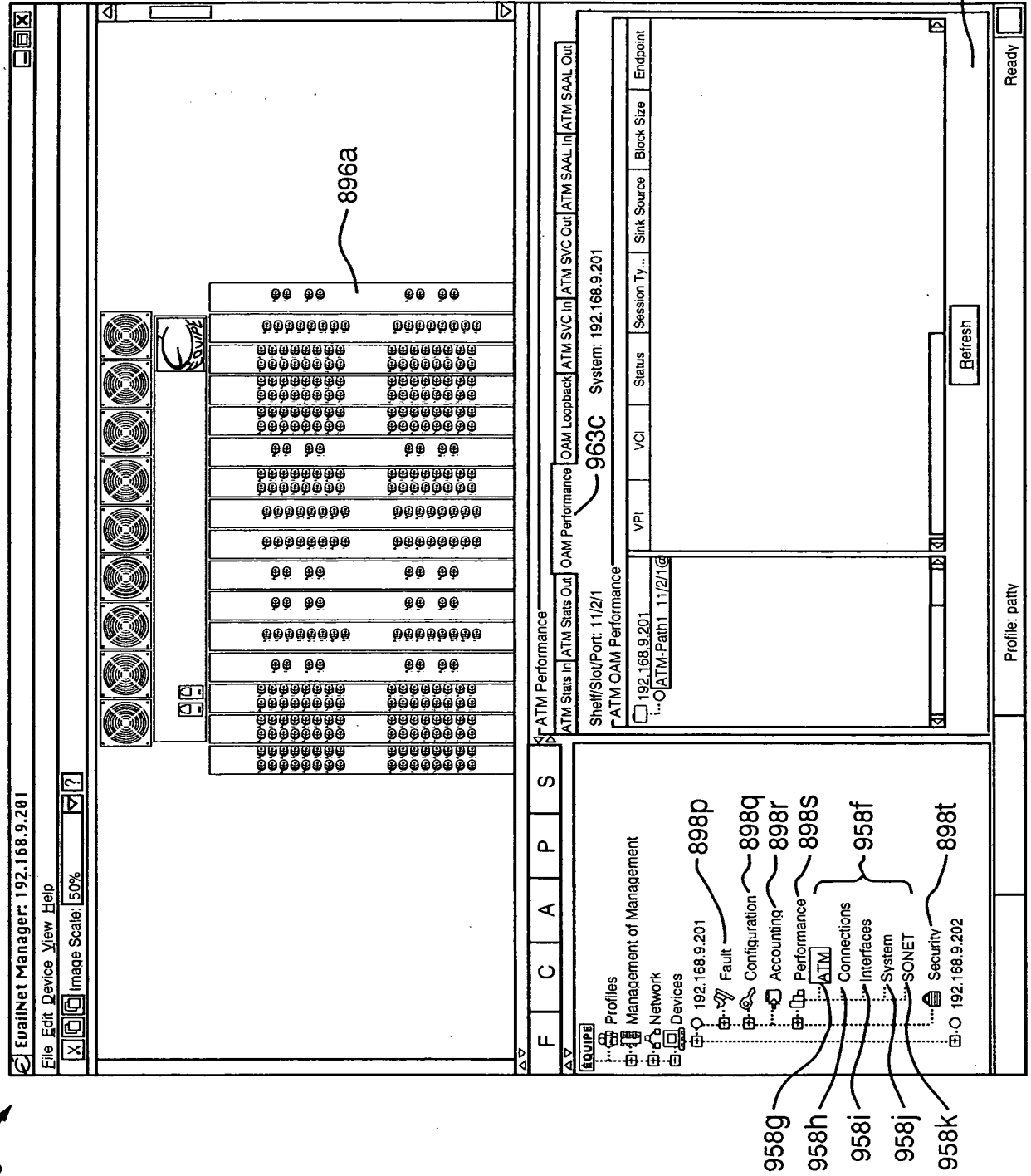


FIG. 7Q

895

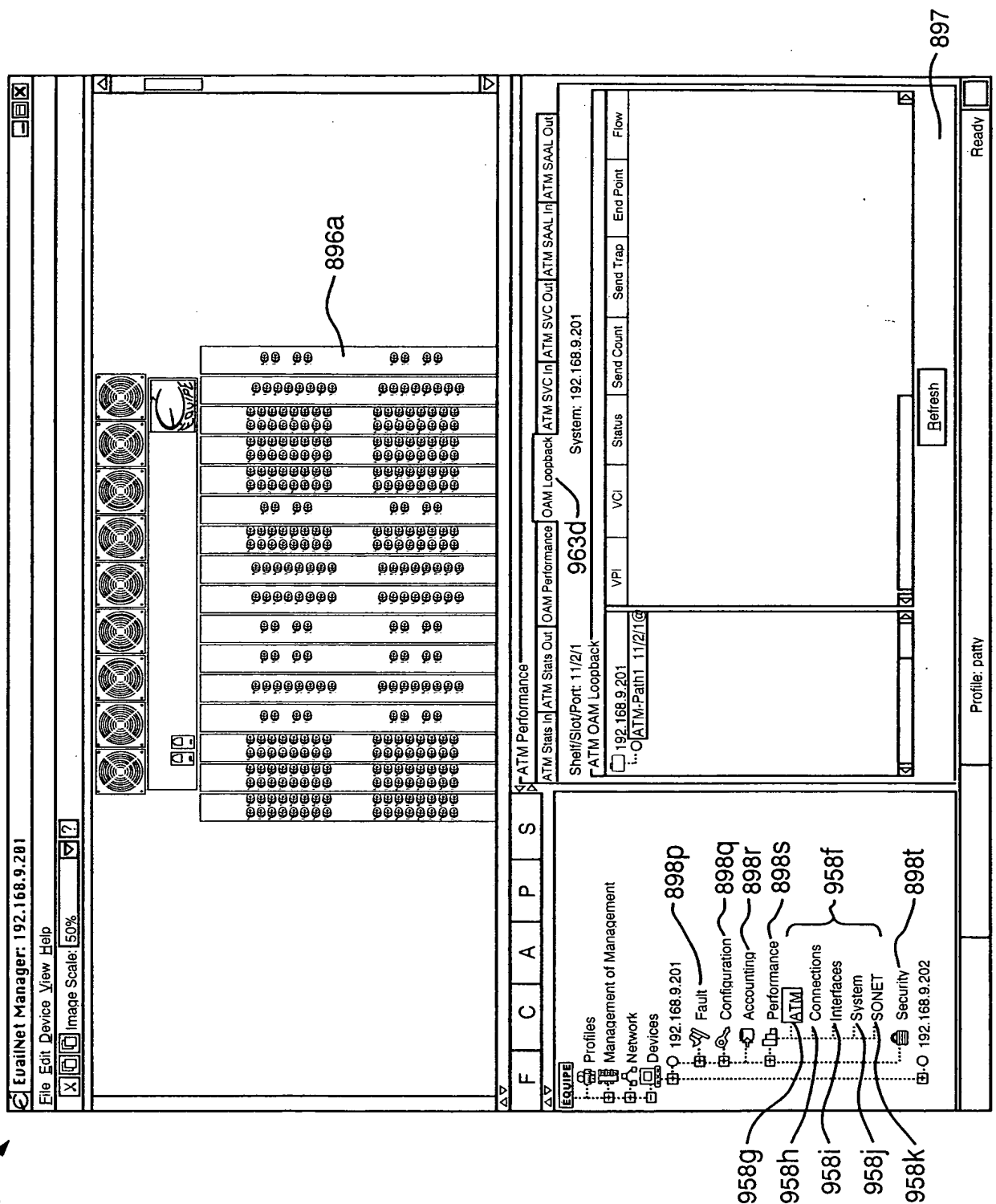


FIG. 7R

895

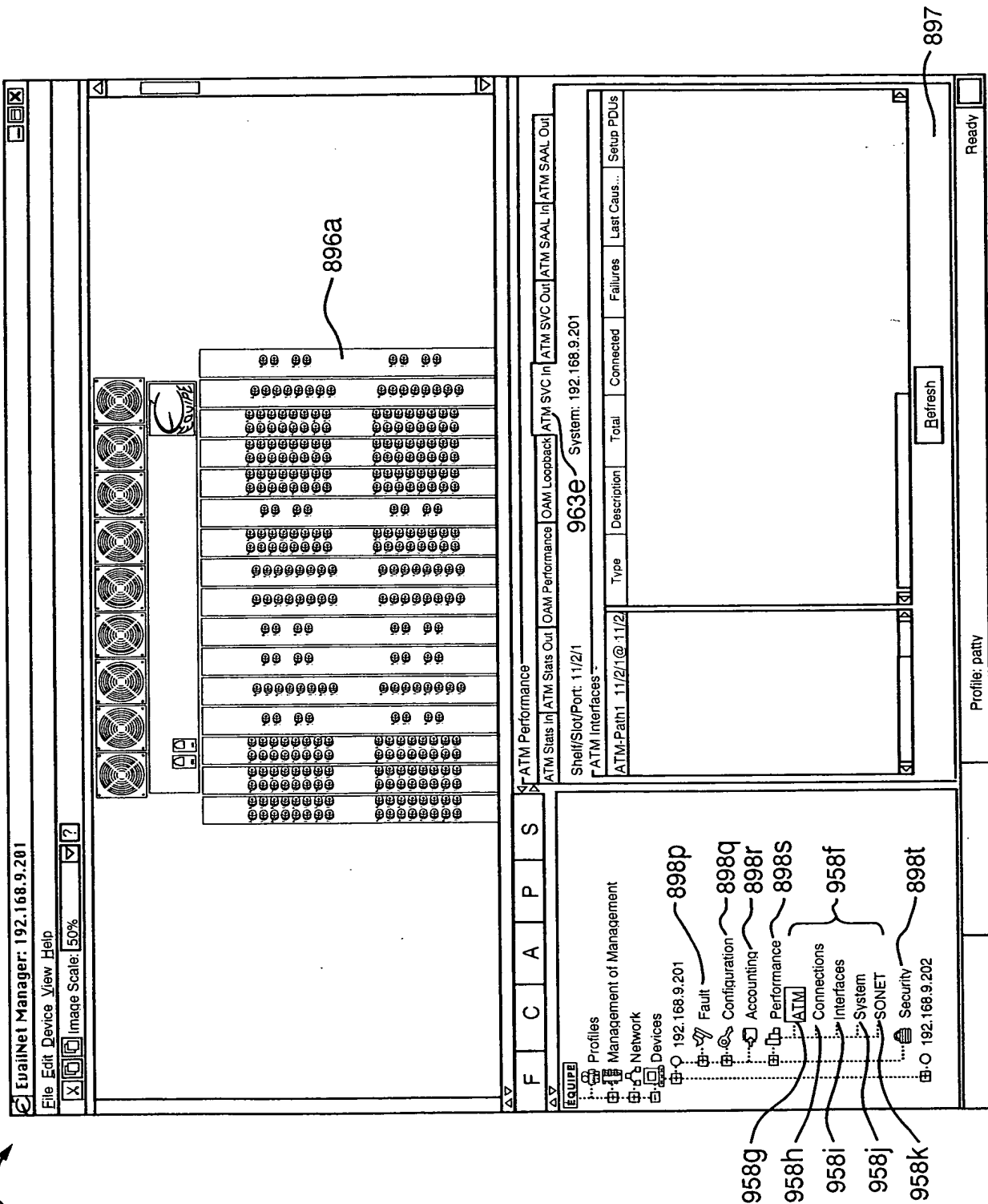


FIG. 7S

895

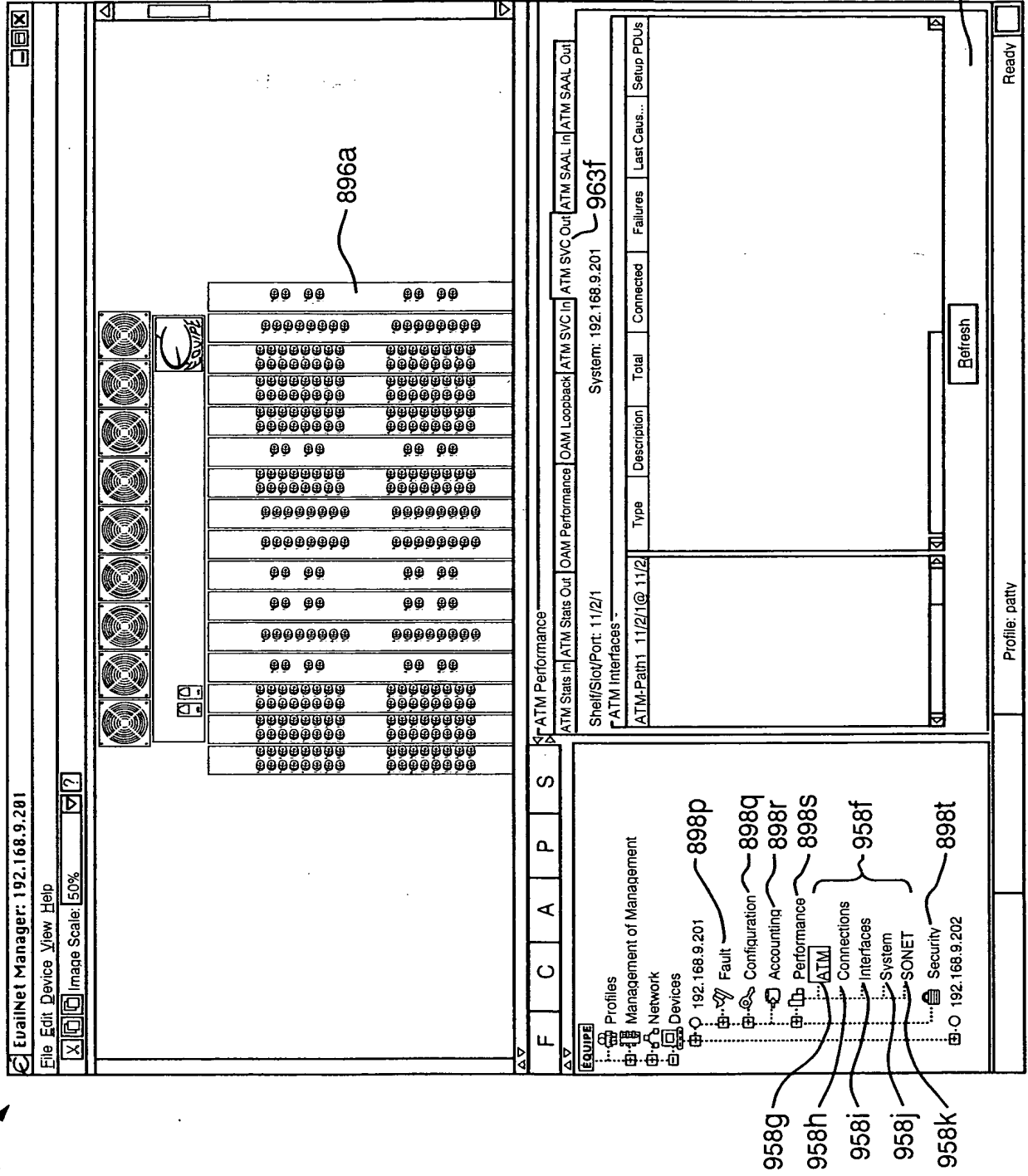


FIG. 7T

895

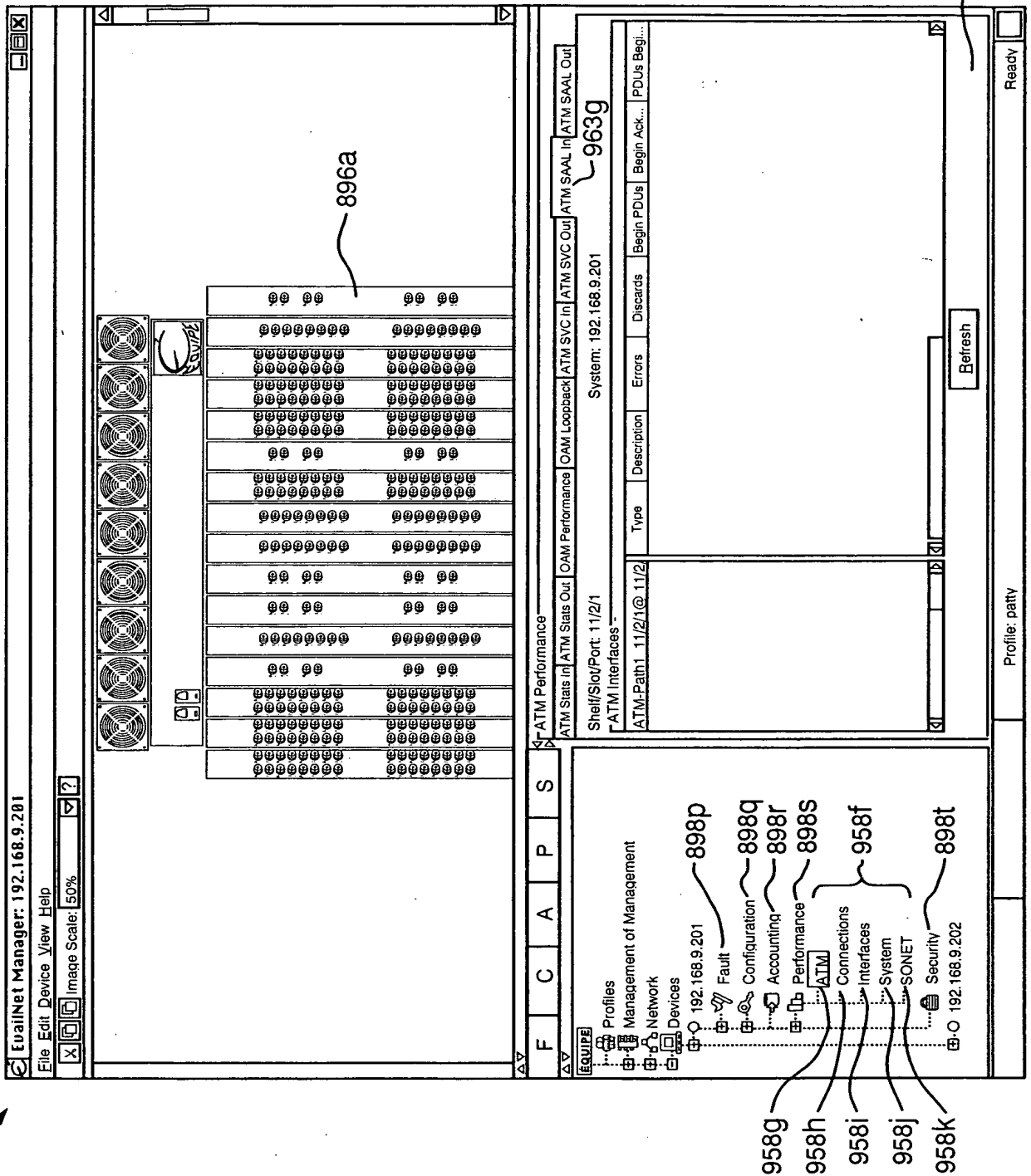


FIG. 7U



895

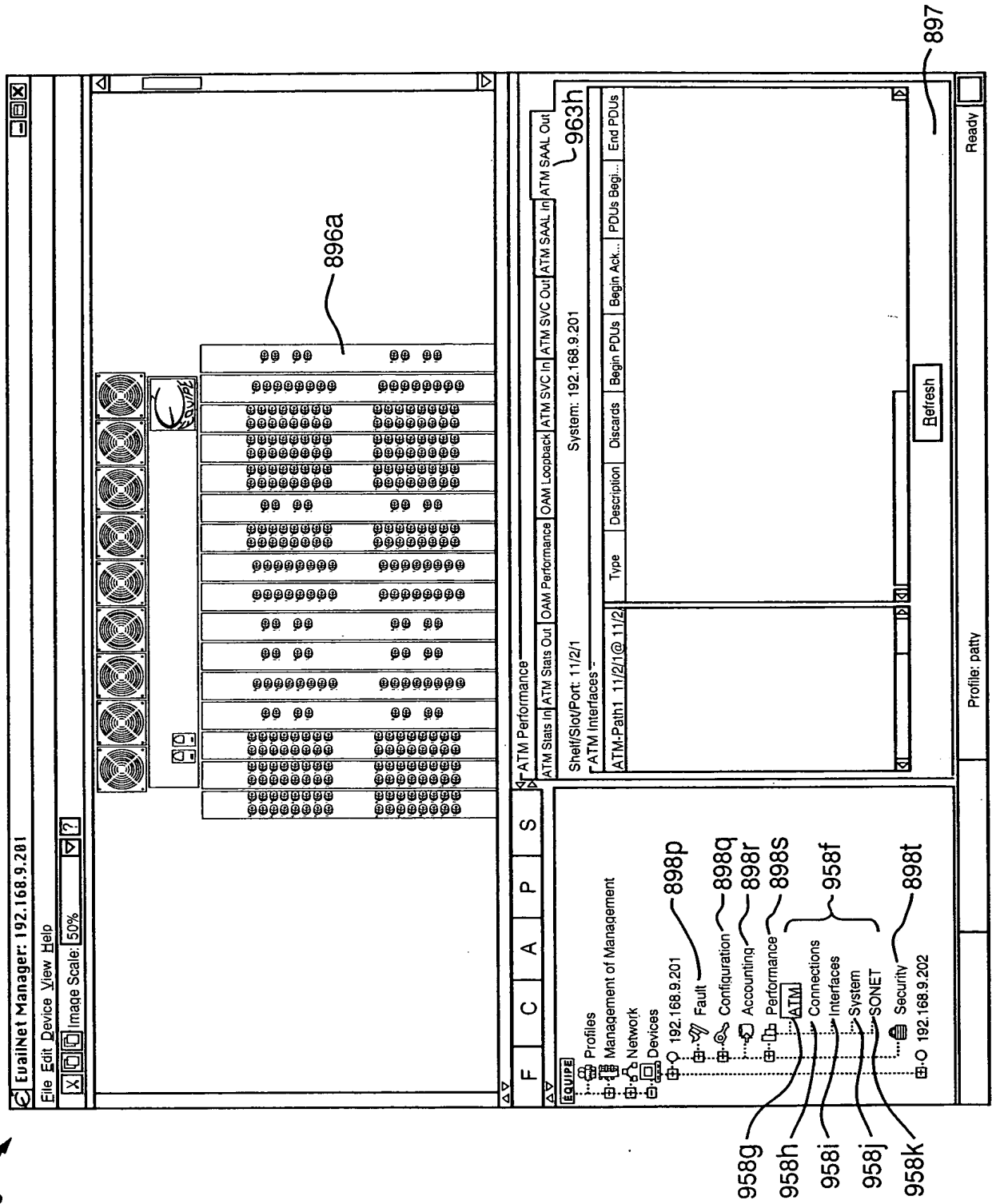


FIG. 7V

The screenshot displays the EuiNet Manager interface for the IP address 192.168.9.201. The top menu bar includes File, Edit, Device, View, and Help. Below the menu is a toolbar with icons for X, a folder, and a magnifying glass, along with an 'Image Scale' set to 150%.

The main window is divided into two panes. The left pane shows a network diagram with a central switch labeled '896a' connected to several peripheral devices. The right pane displays a 'System: Switch B' performance table.

| System: Switch B |          |           |                 |                         |
|------------------|----------|-----------|-----------------|-------------------------|
| Connection Name  | Transmit | Receive   | Cell Loss Ratio | Cell Cell Discard Total |
| Conn1            | 44234344 | 423423455 | 5               | 4534                    |
| Conn2            | 534632   | 652353    | 10              | 324542352               |

Below the table, there are buttons for 'Refresh' and 'Detail...'. The bottom status bar shows 'Ready'.

268

895

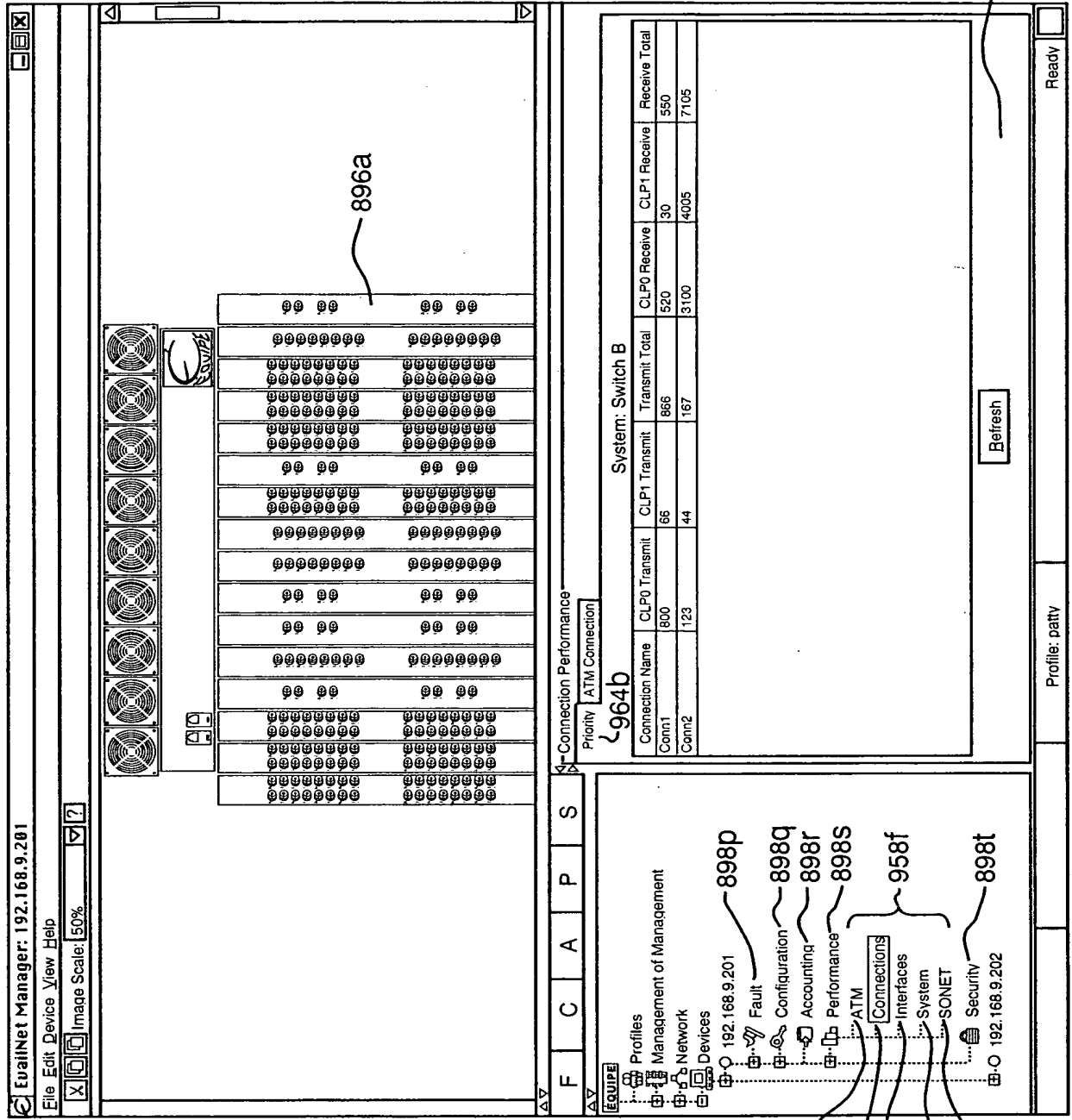


FIG. 7X

895

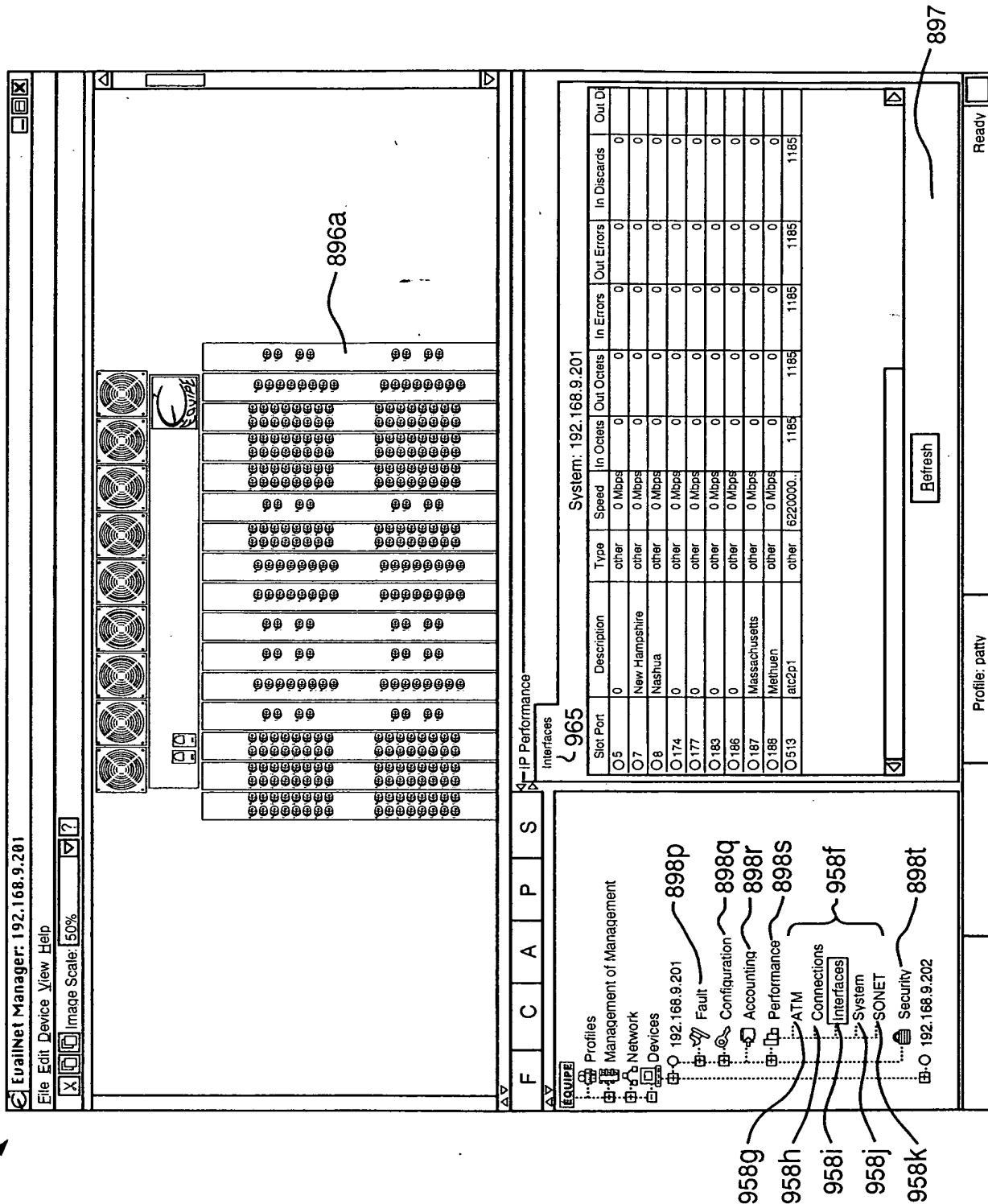


FIG. 7Y

895

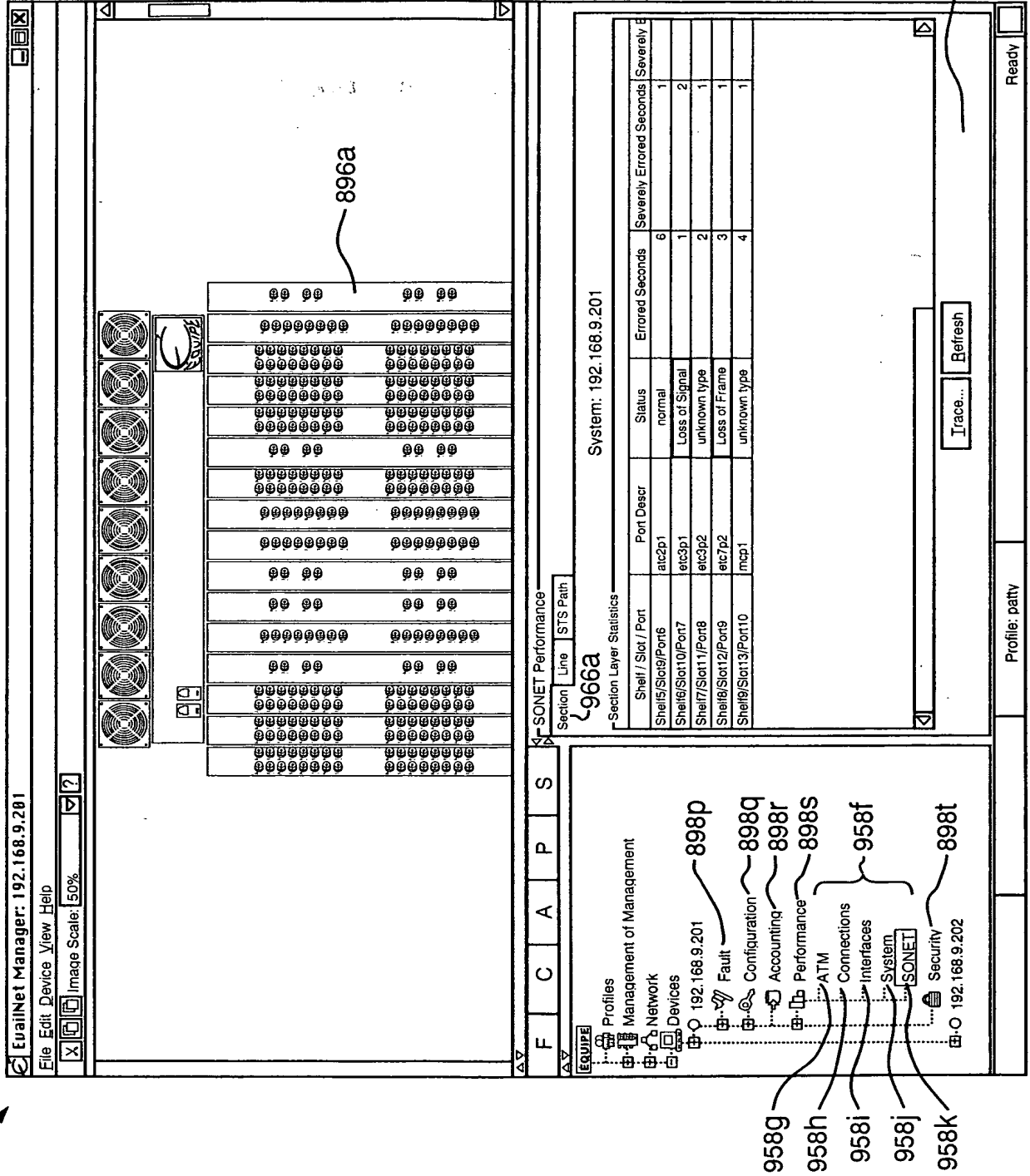


FIG. 8A

895

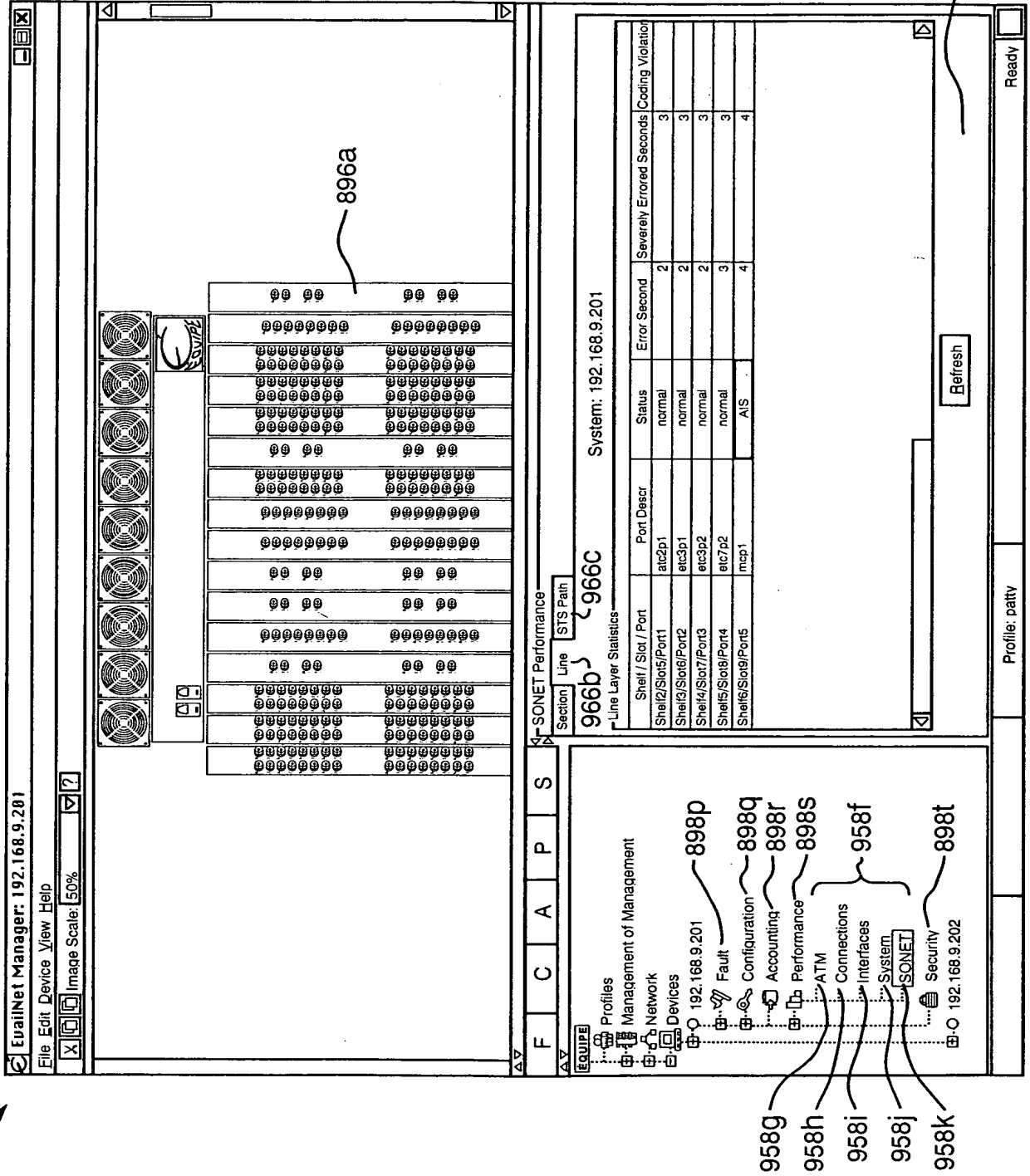


FIG. 8B

895

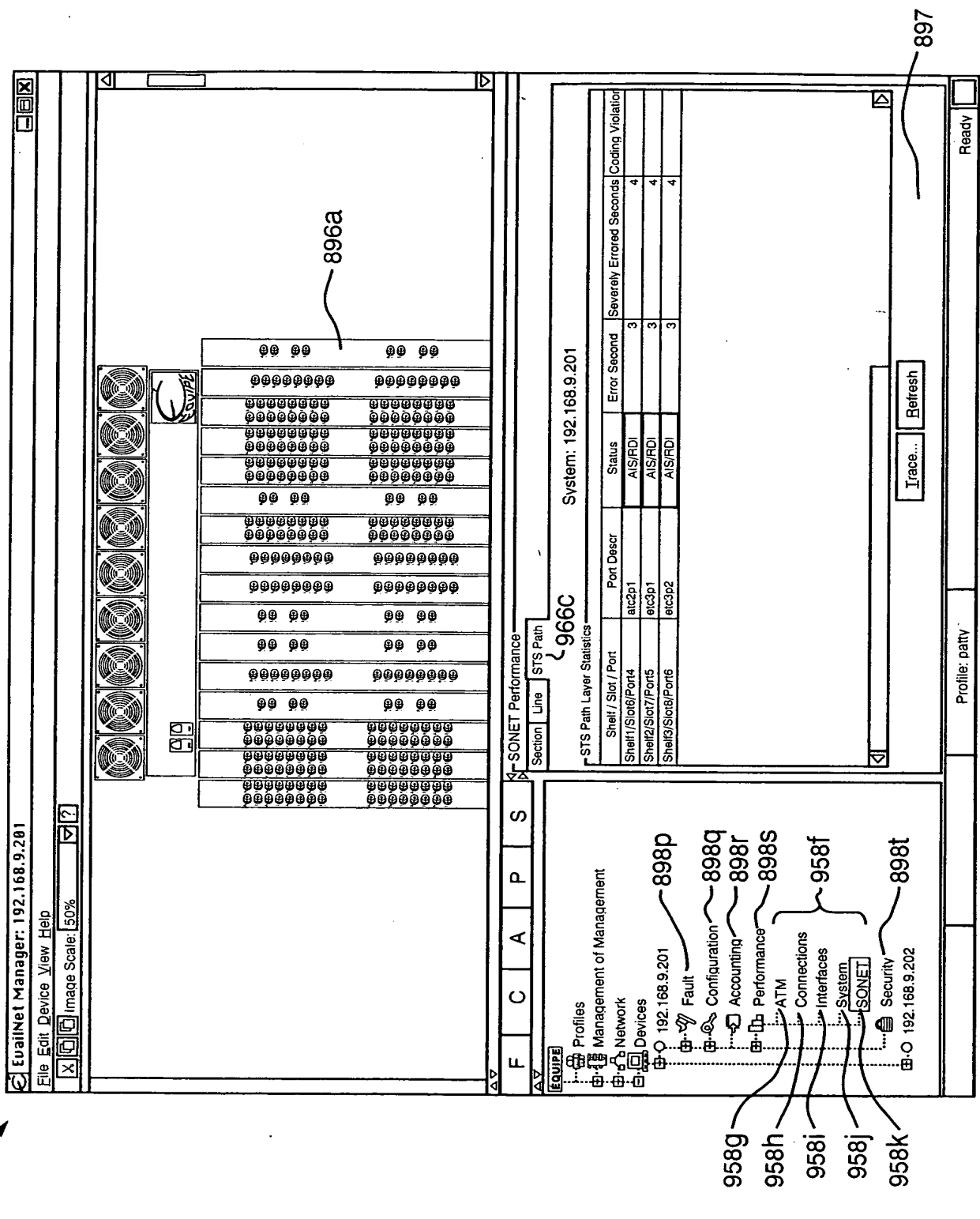


FIG. 8C

895

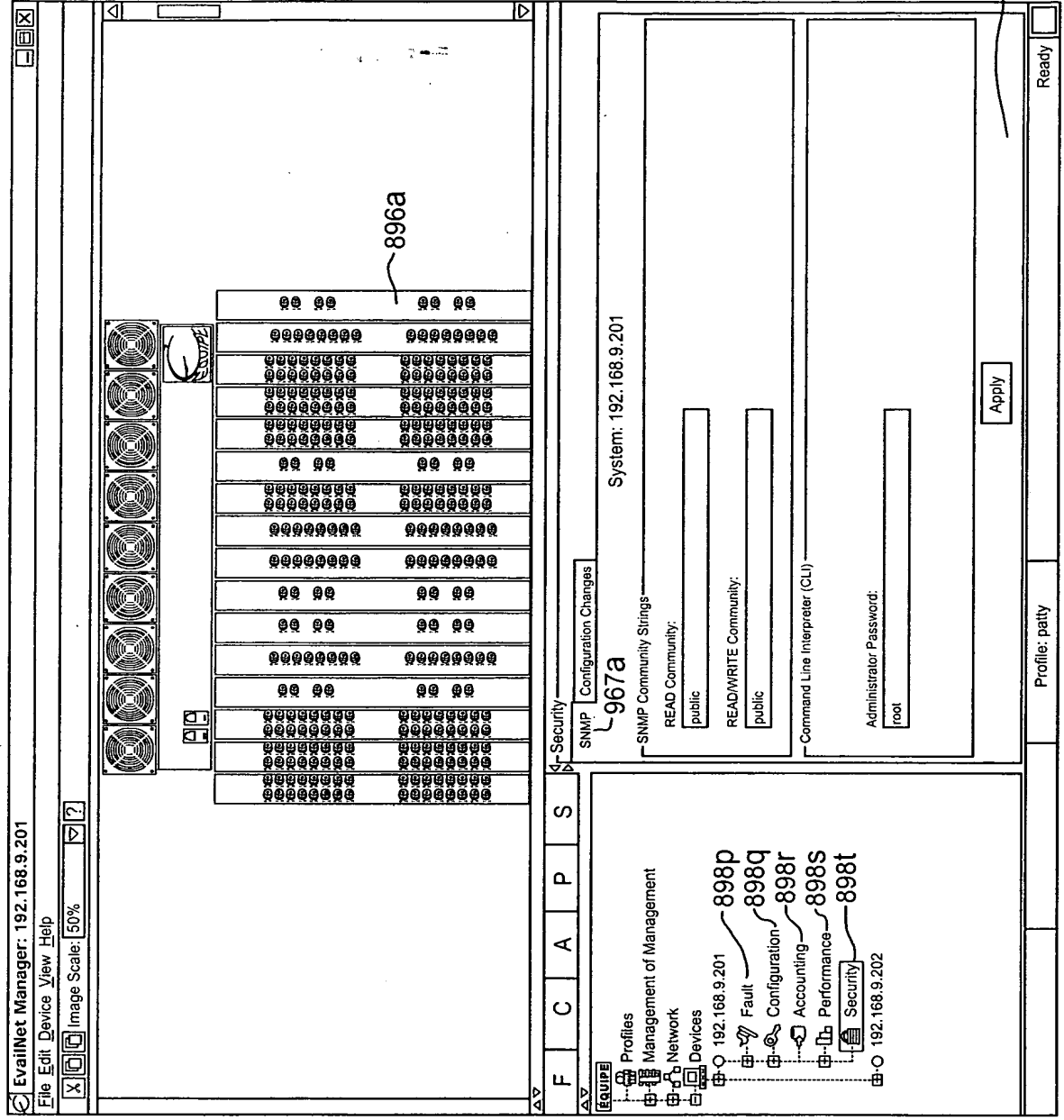
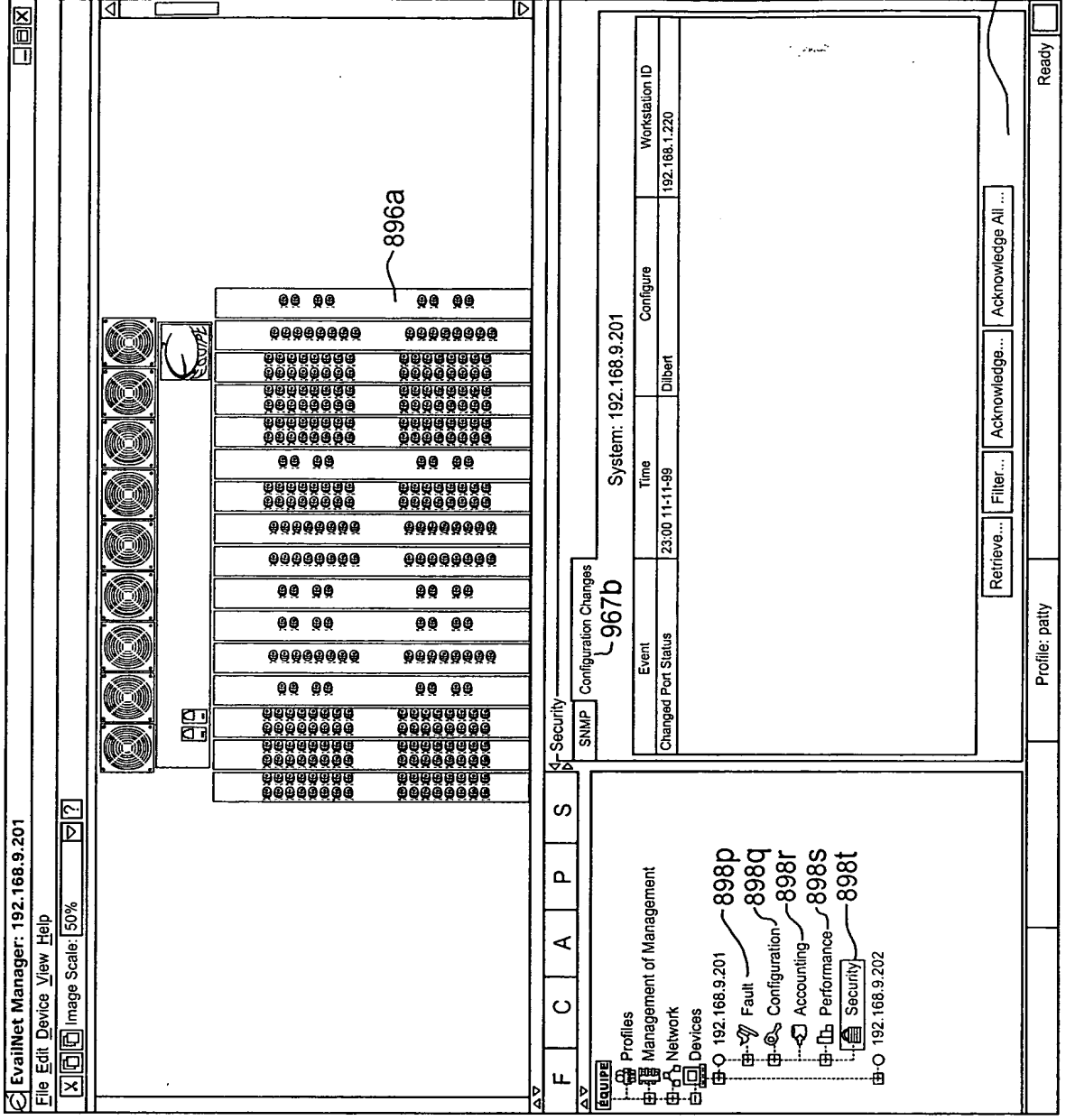


FIG. 8D



895



897

FIG. 8E

895

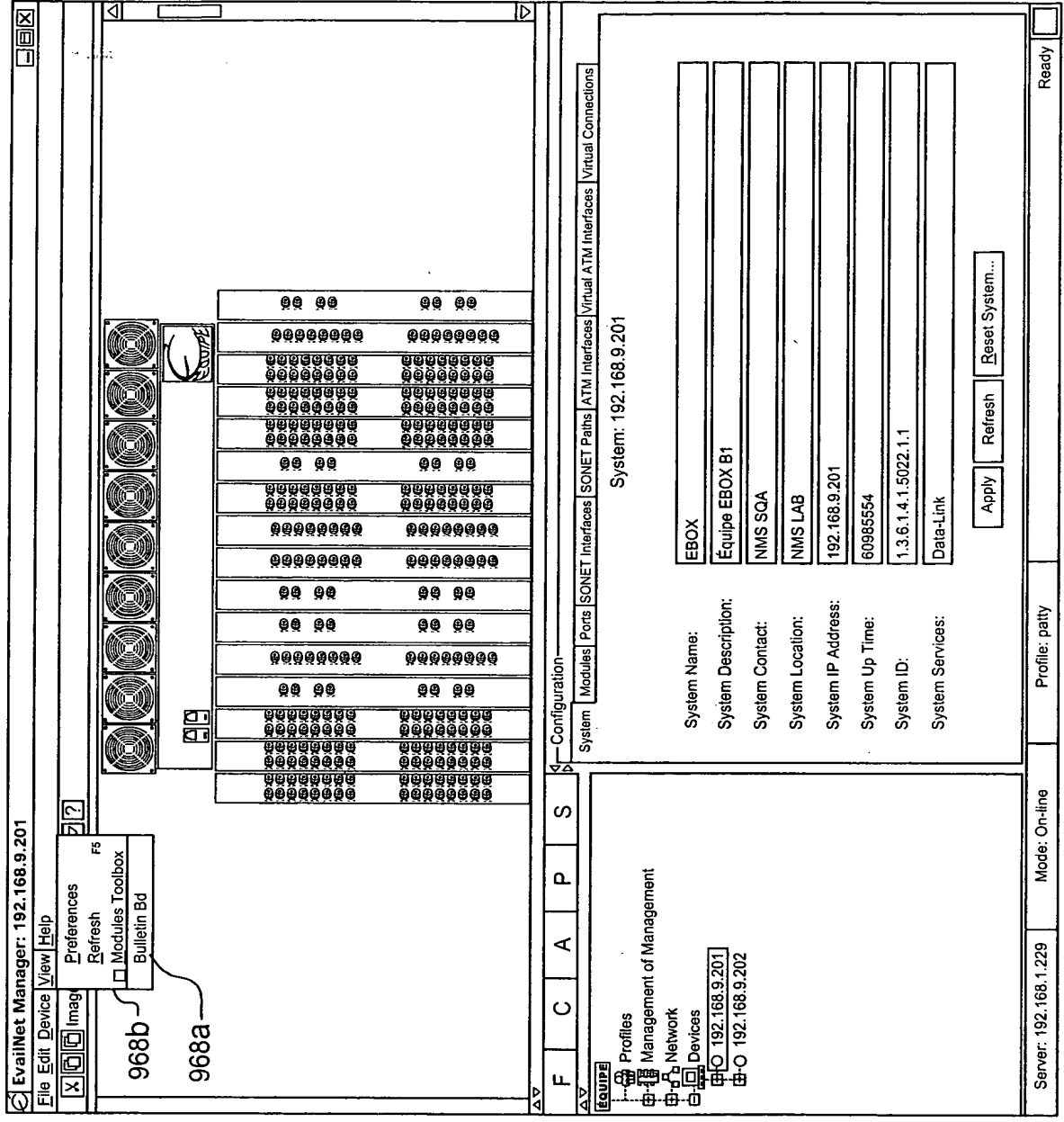


FIG. 9A

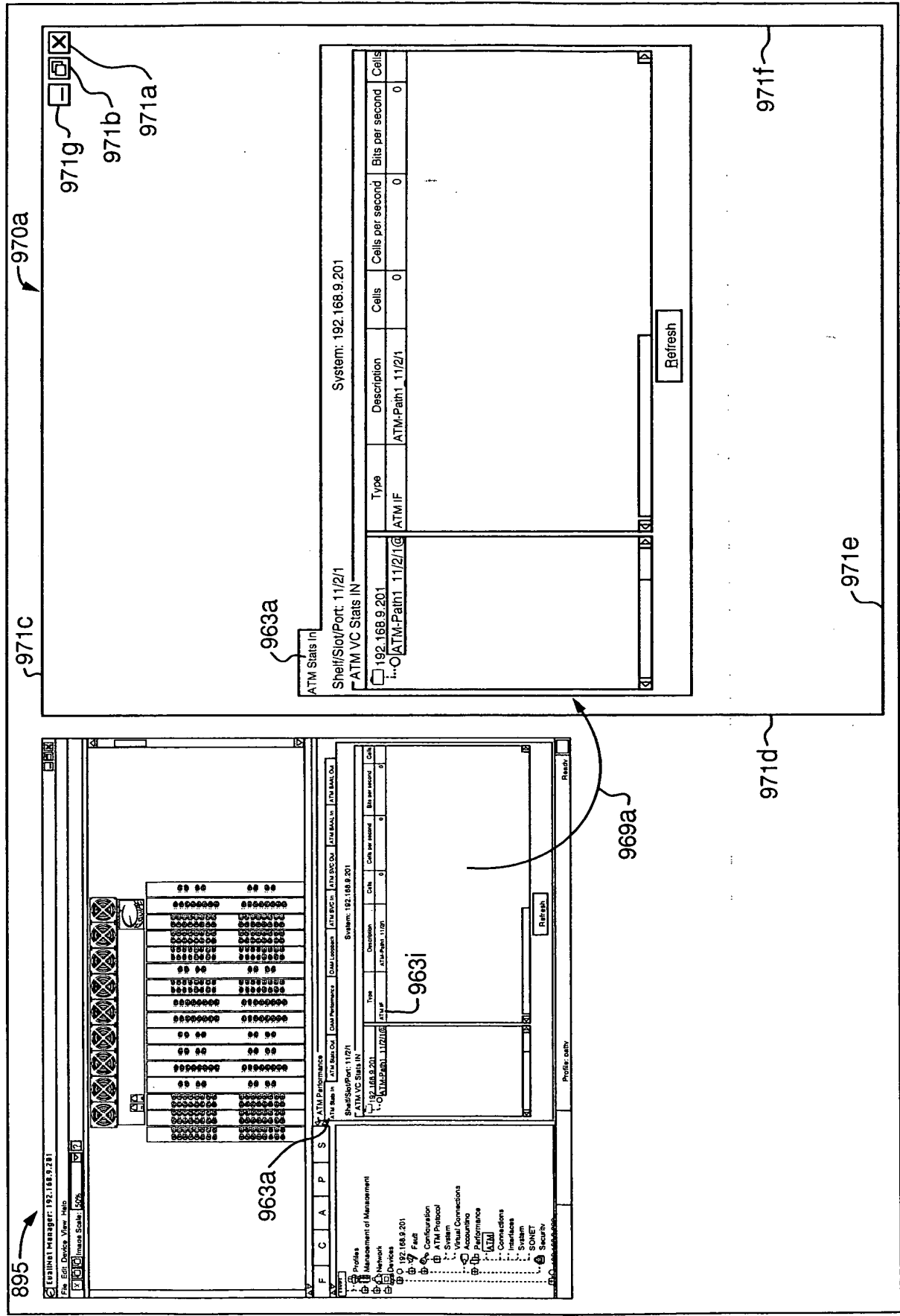


FIG. 9B

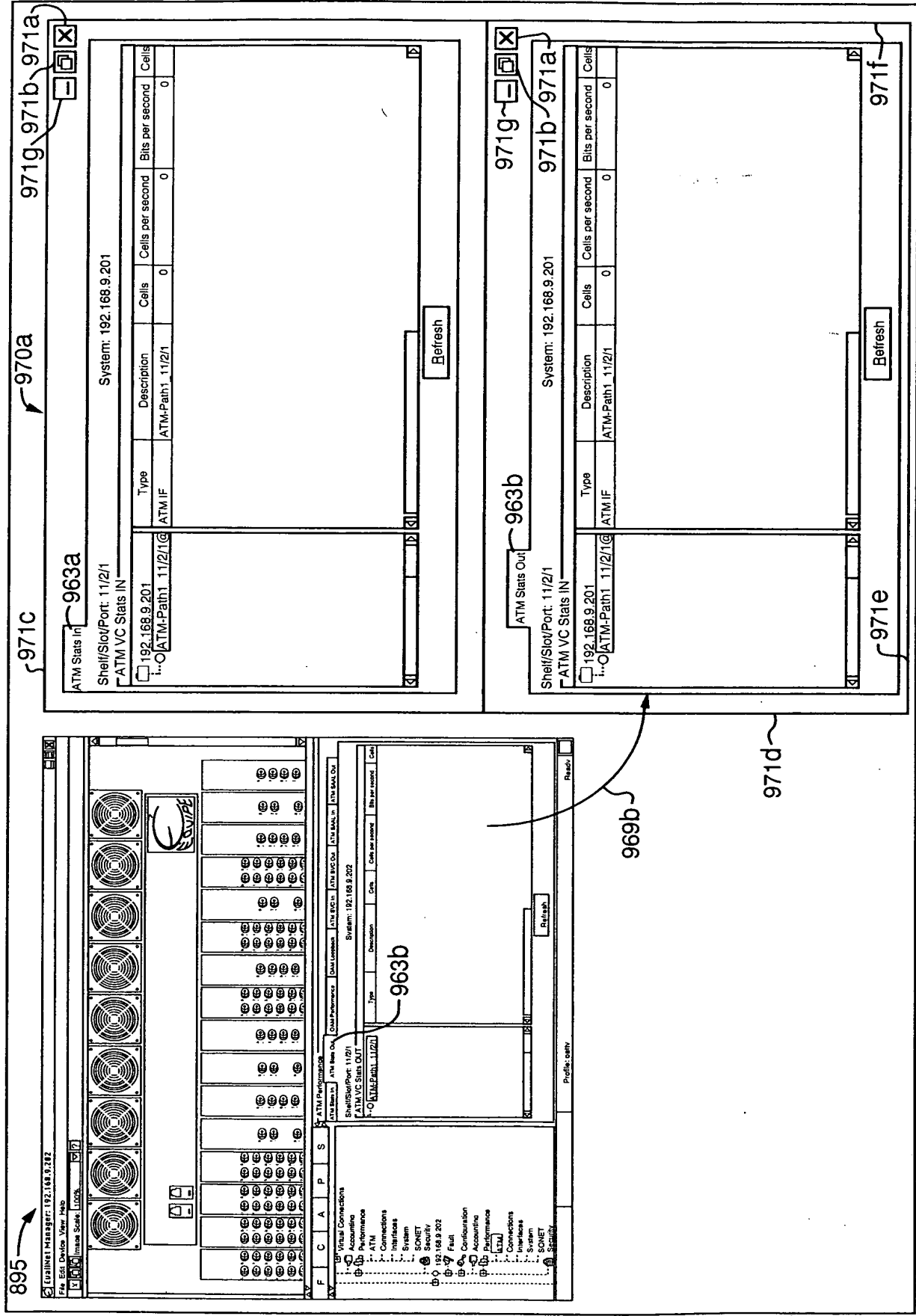


FIG. 9C

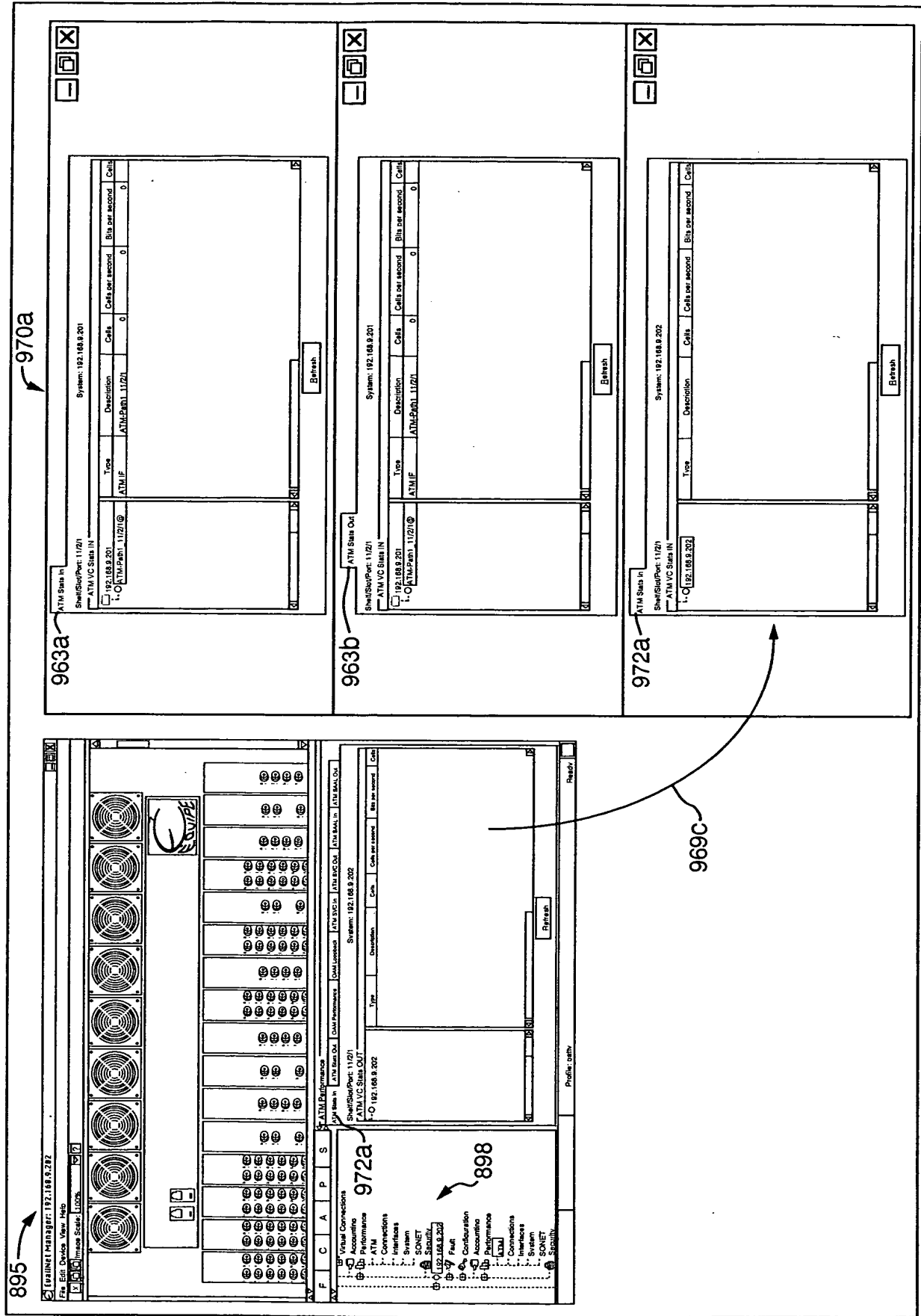


FIG. 9D

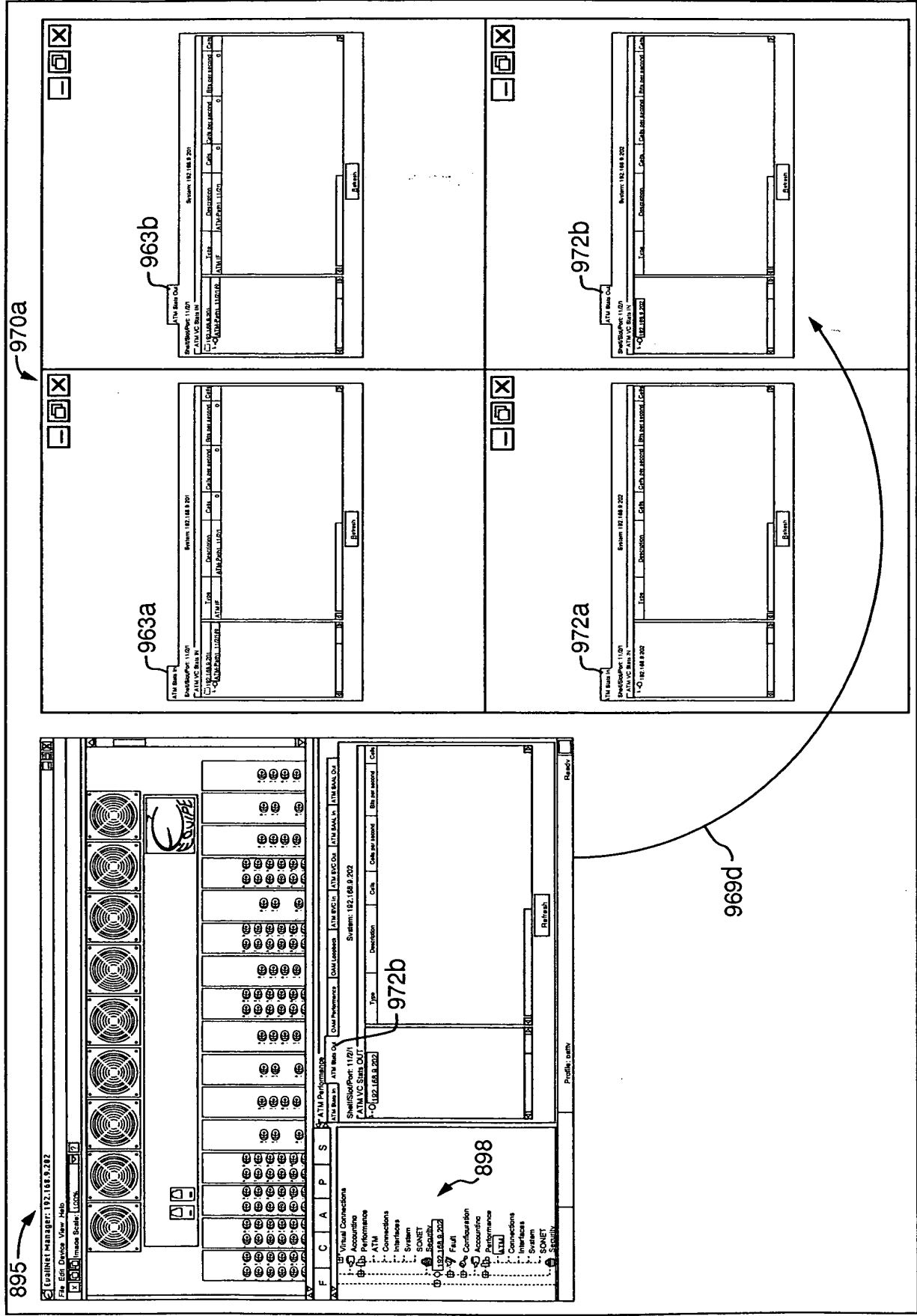


FIG. 9E

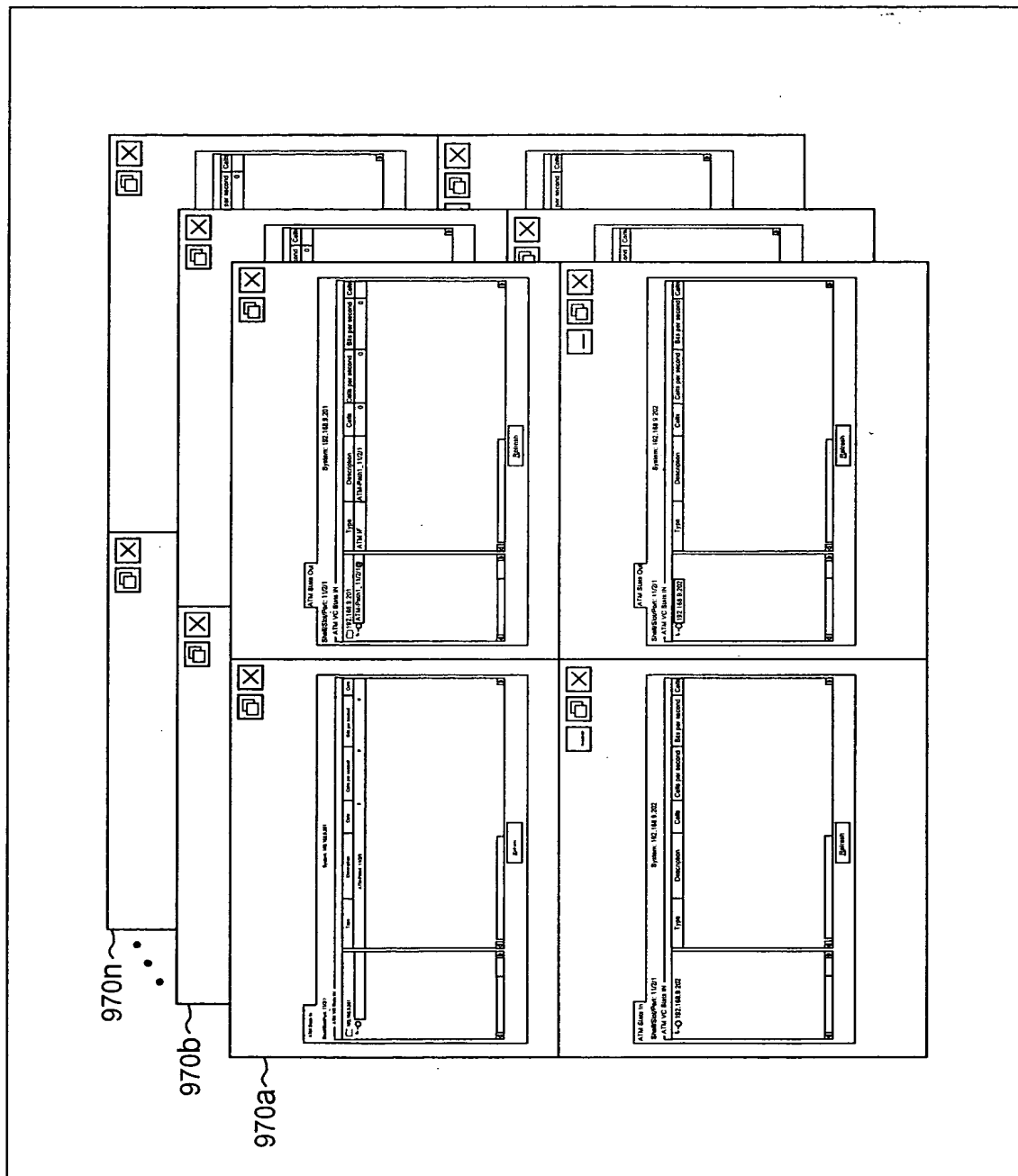


FIG. 9F

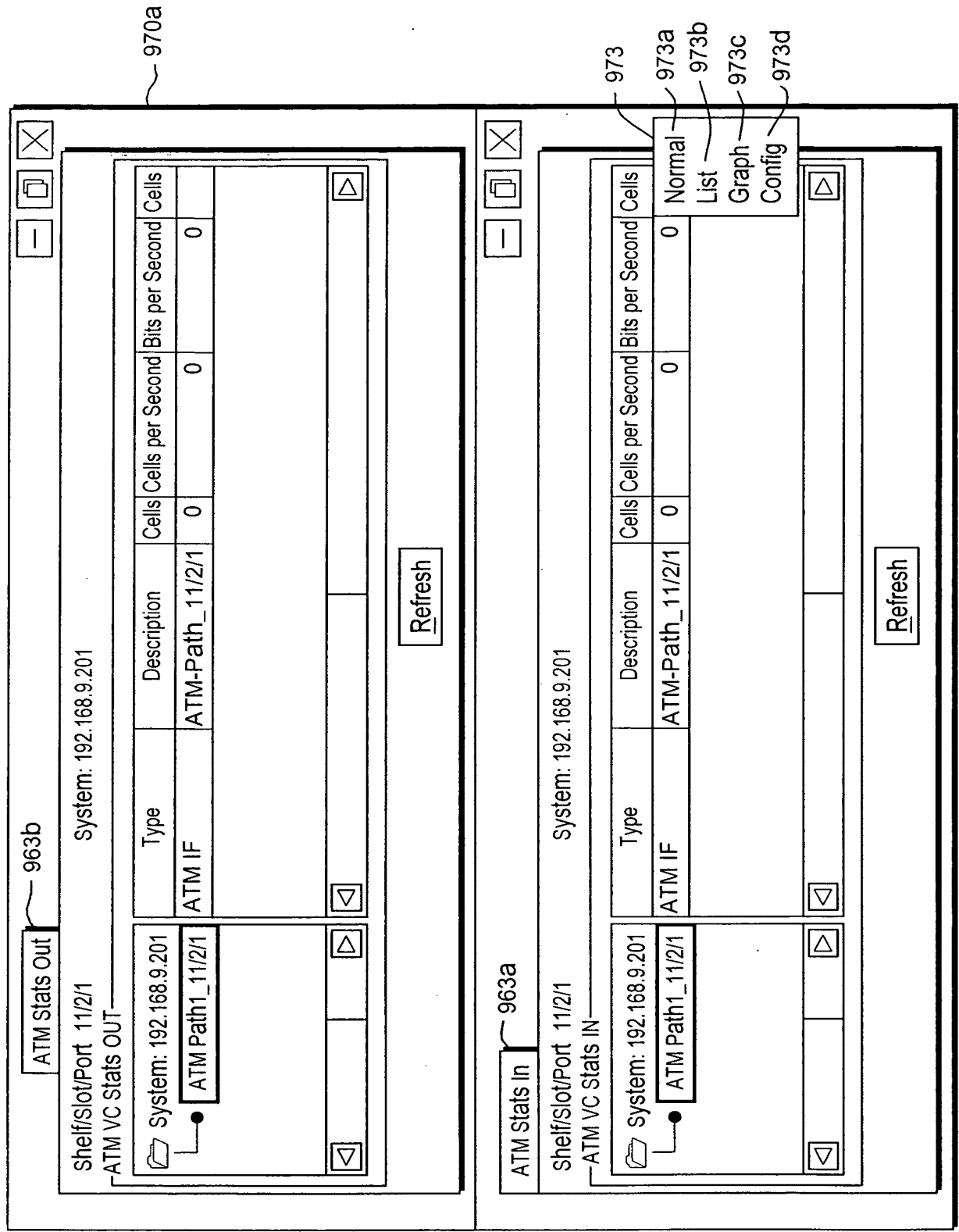


FIG. 9G



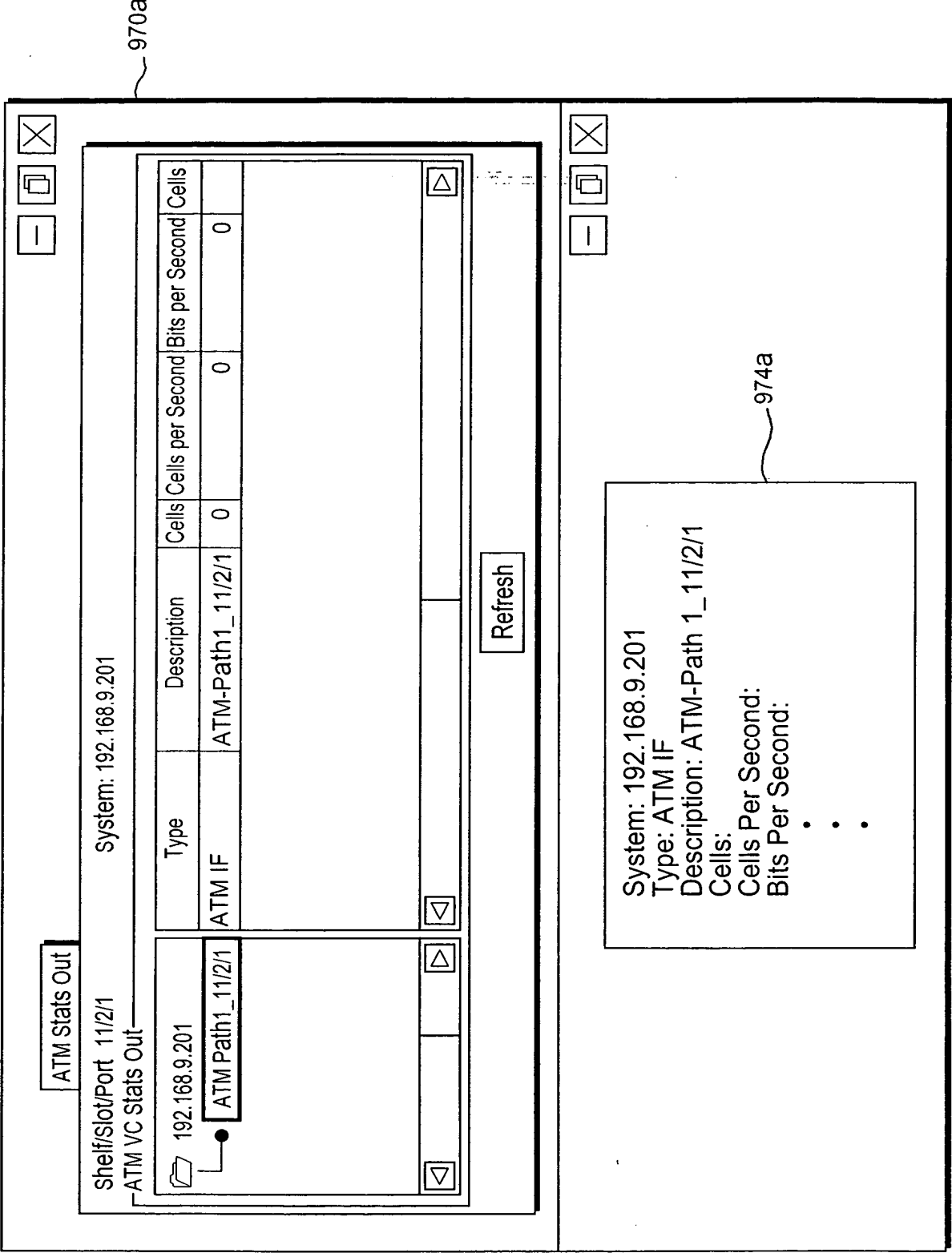


FIG. 9H

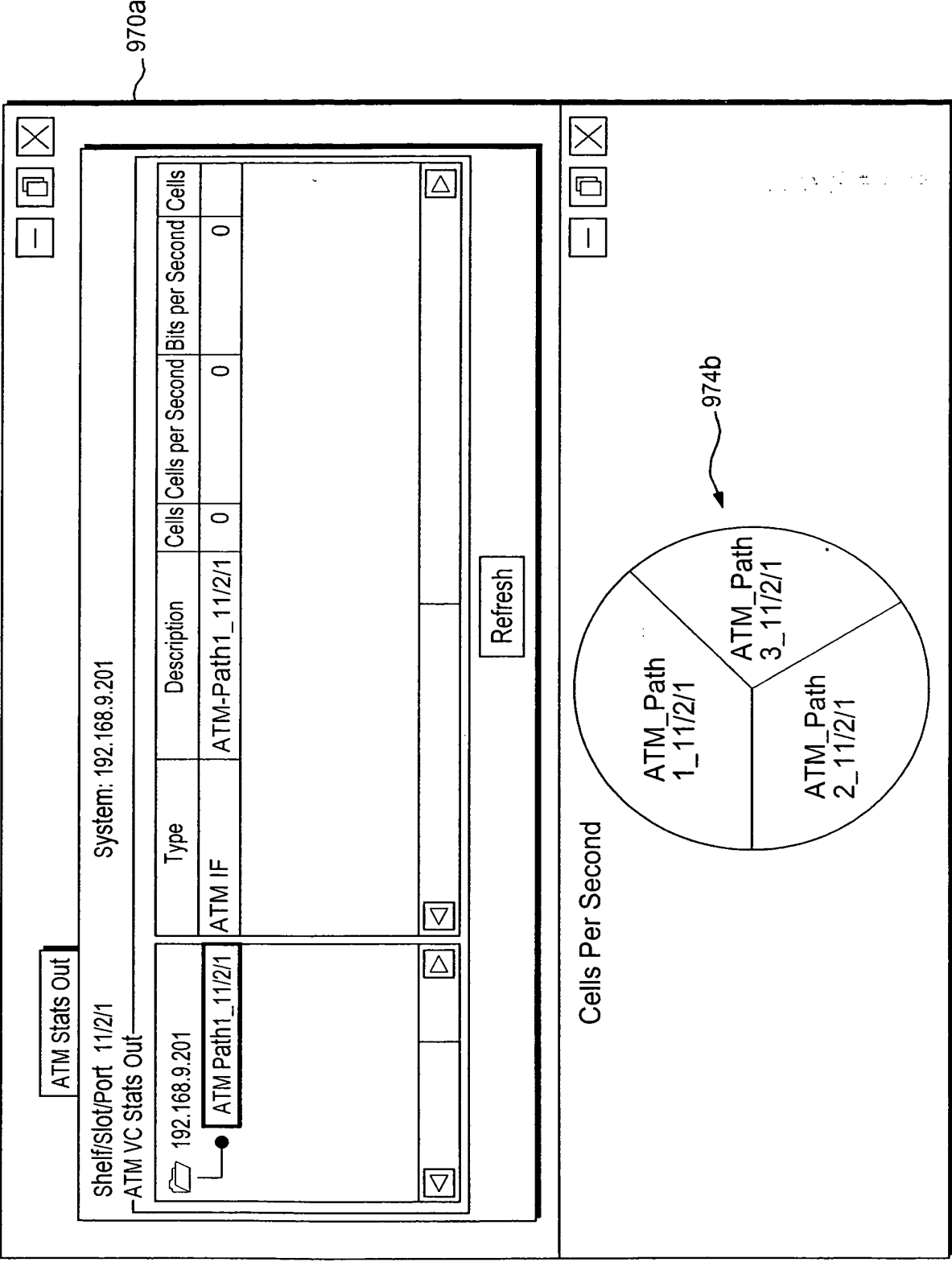


FIG. 9I

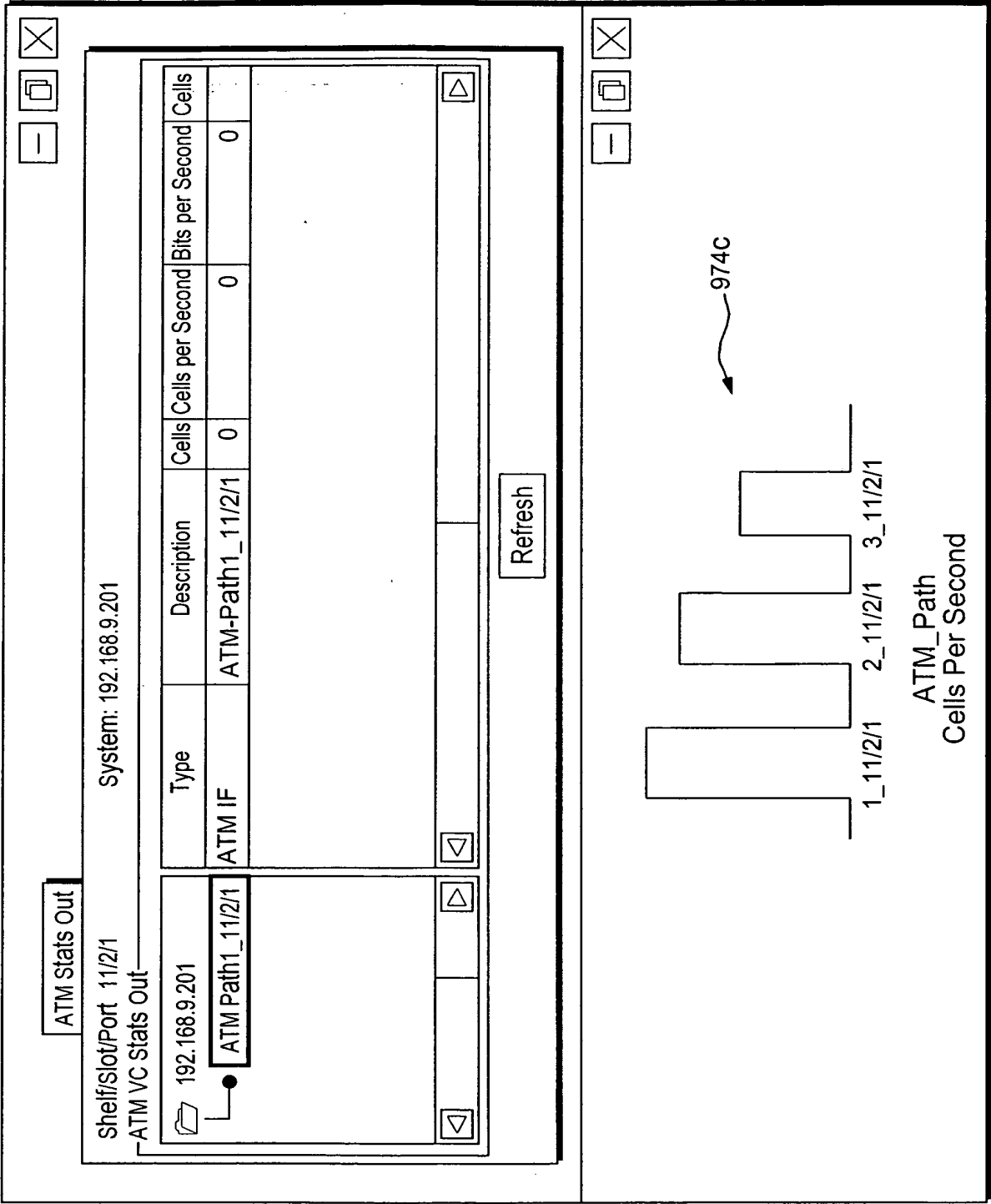


FIG. 9J

Figure 10: ATM Interface Properties dialog box. The dialog is titled "ATM Interface Properties - 192.168.9.202". It contains a tree view on the left showing "System: 192.168.9.201" and "ATM VC Stats OUT". The main area displays "ATM Path1\_11/2/1" selected. Below this is a table with columns: Type, Description, Cells per Second, and Bits per Second. The table shows "ATM IF" with "ATM-Path\_11/2/1" and values of 0 for both metrics. A "Refresh" button is at the bottom right. The right side of the dialog shows "Shelf/Slot/Port: 11/4/1" and "Path Name: Path2\_11/2/1". Below this is a section for "ATM Properties" with a table for VPI/VCI values: Minimum VPI bits (1), Maximum VPI bits (8), Minimum VCI bits (5), and Maximum VCI bits (16). "OK" and "Cancel" buttons are at the bottom.

**ATM Interface Properties - 192.168.9.202**

Shelf/Slot/Port: 11/4/1      Path Name: Path2\_11/2/1

**ATM Properties**

| ATM-Path_11/2/1  |    |
|------------------|----|
| Name             | 1  |
| Minimum VPI bits | 8  |
| Maximum VPI bits | 5  |
| Minimum VCI bits | 16 |
| Maximum VCI bits |    |

OK      Cancel

**FIG. 9K**

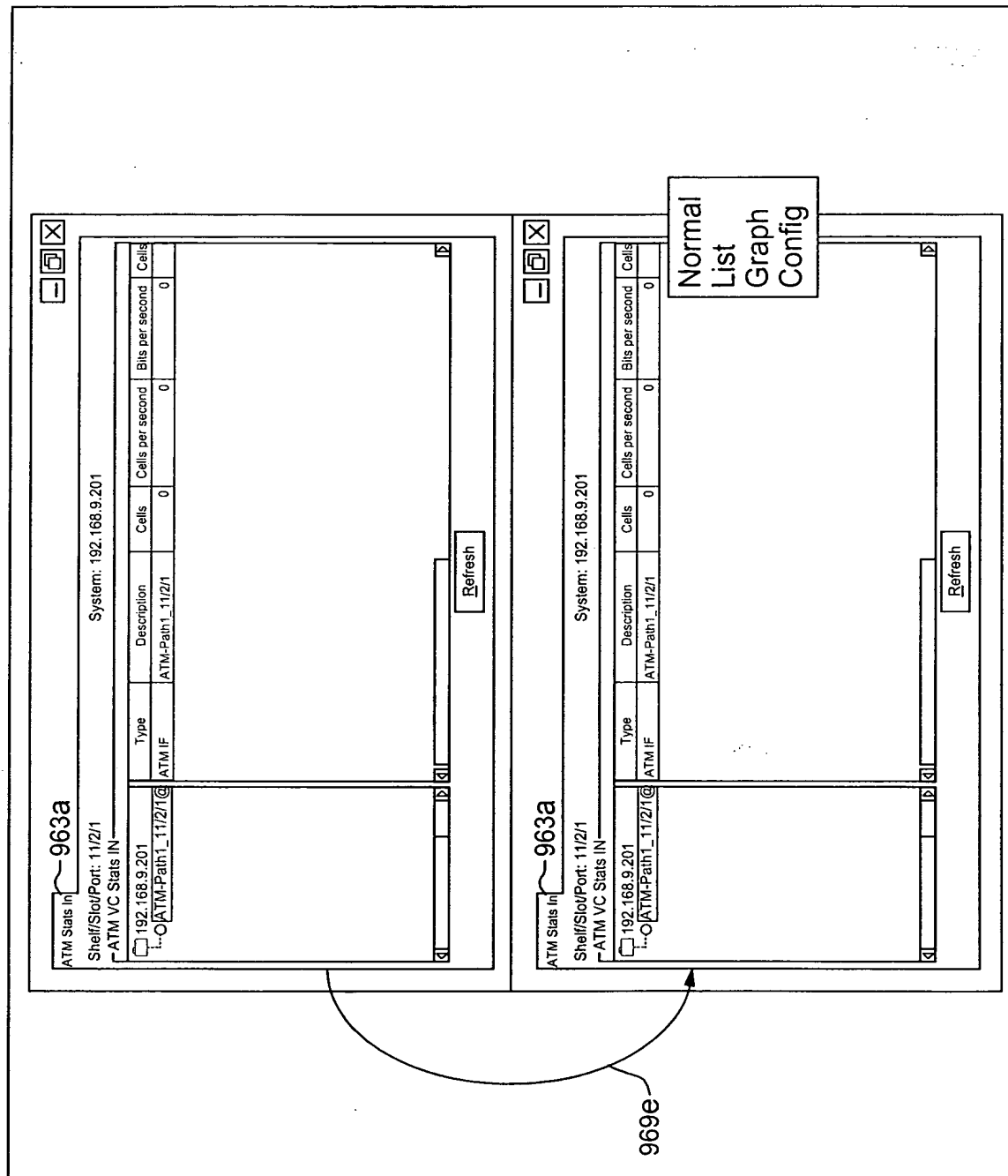
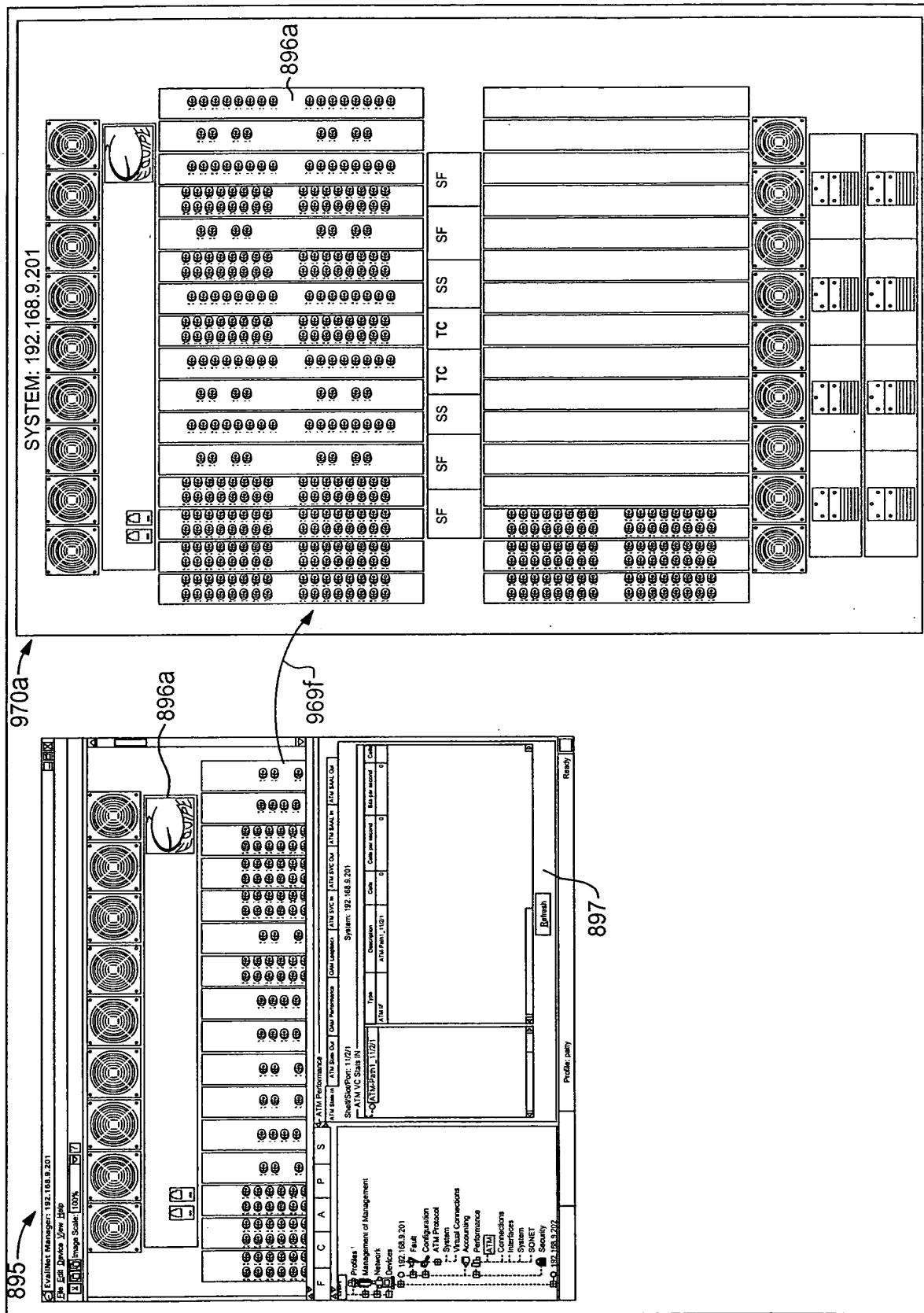
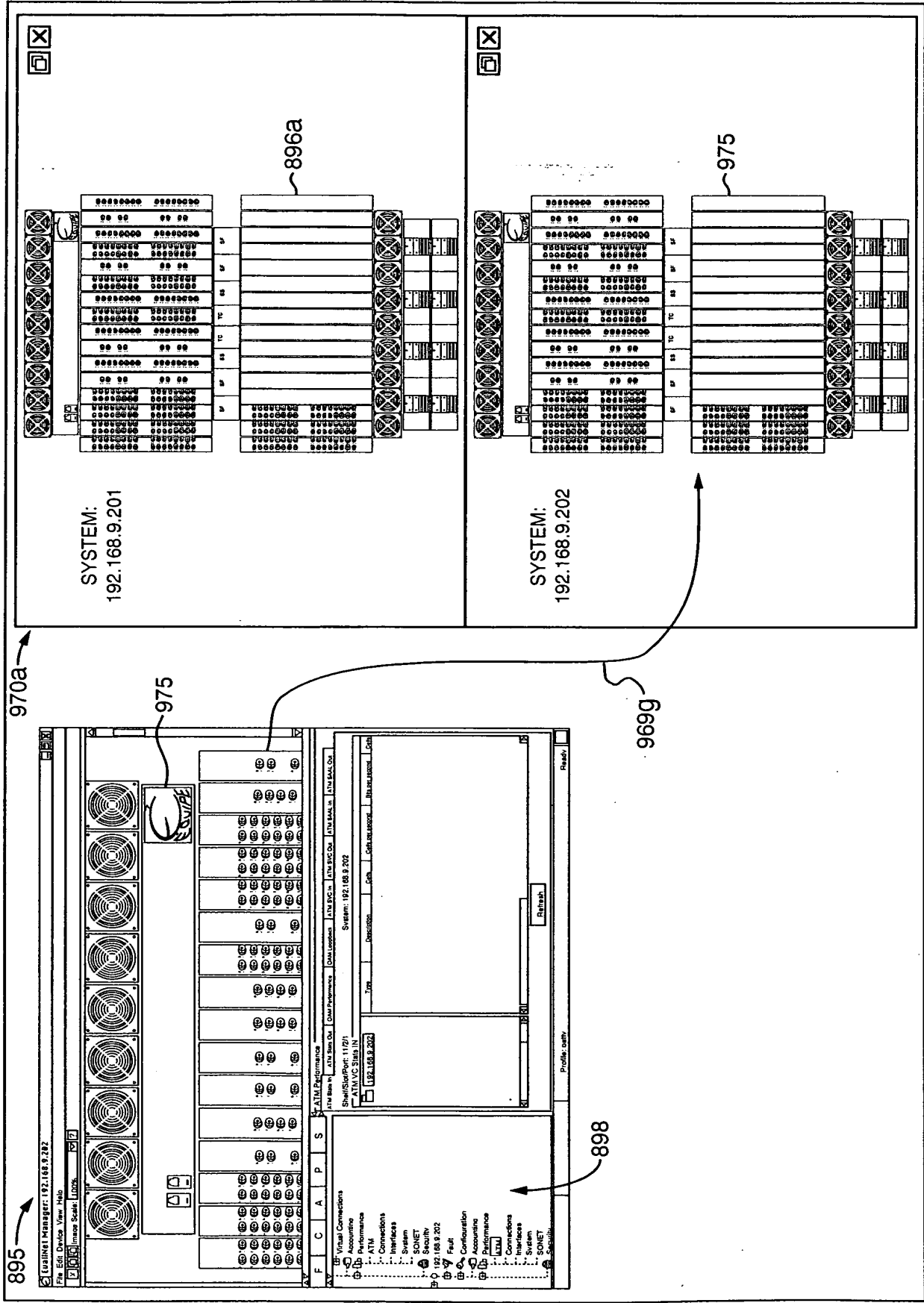


FIG. 9L



**FIG. 9M**



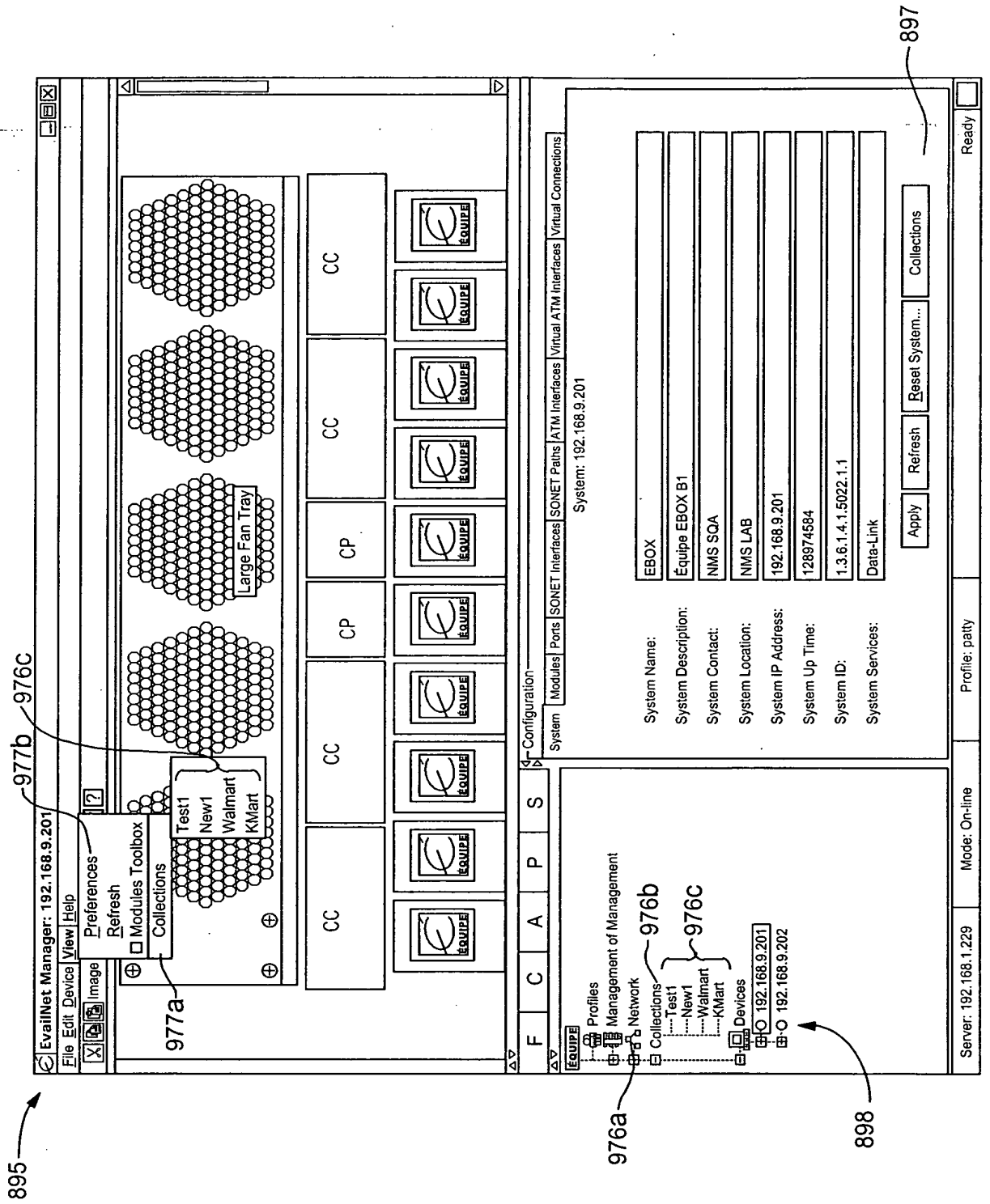
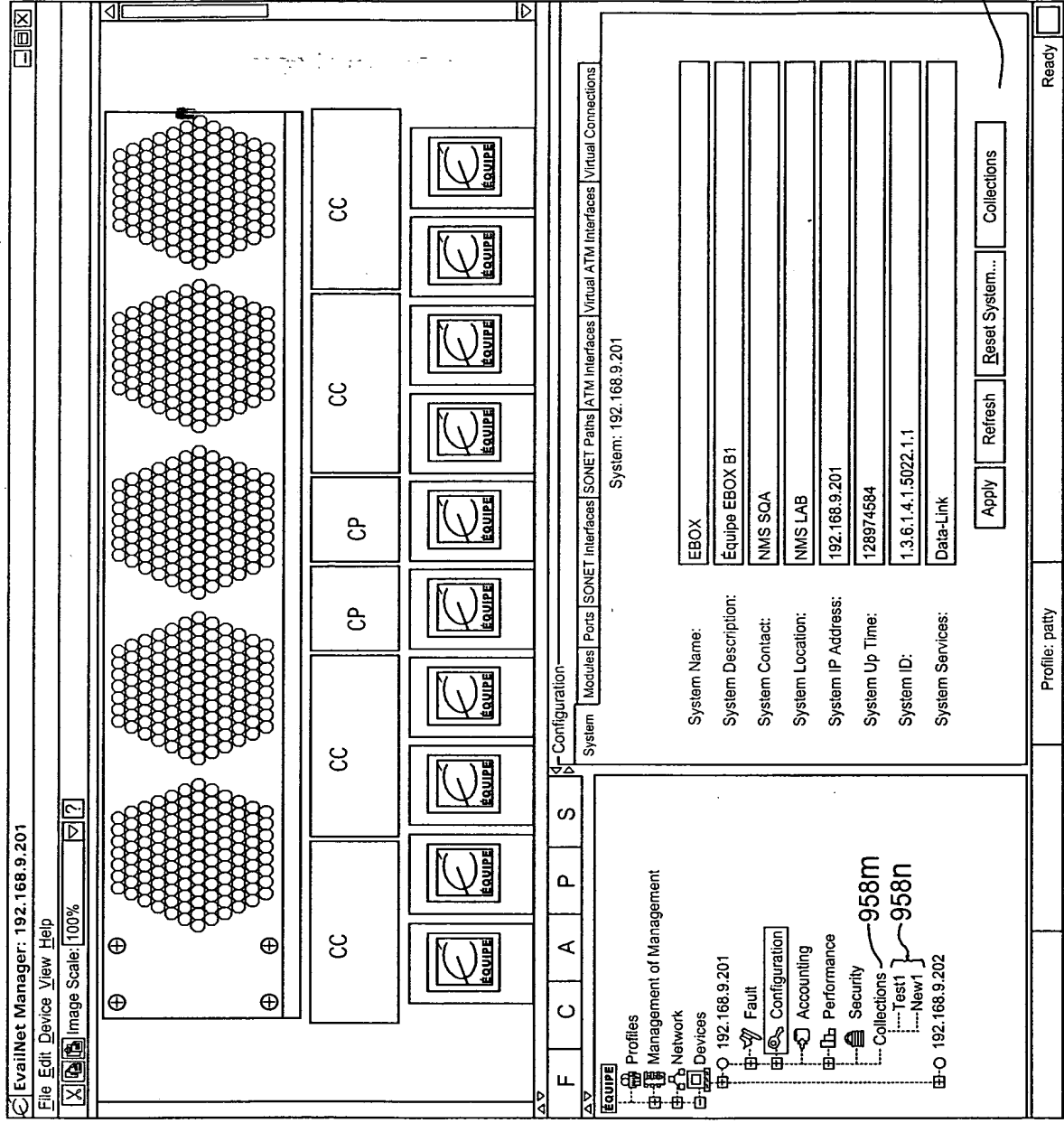


FIG. 10A



895



897

FIG. 10B

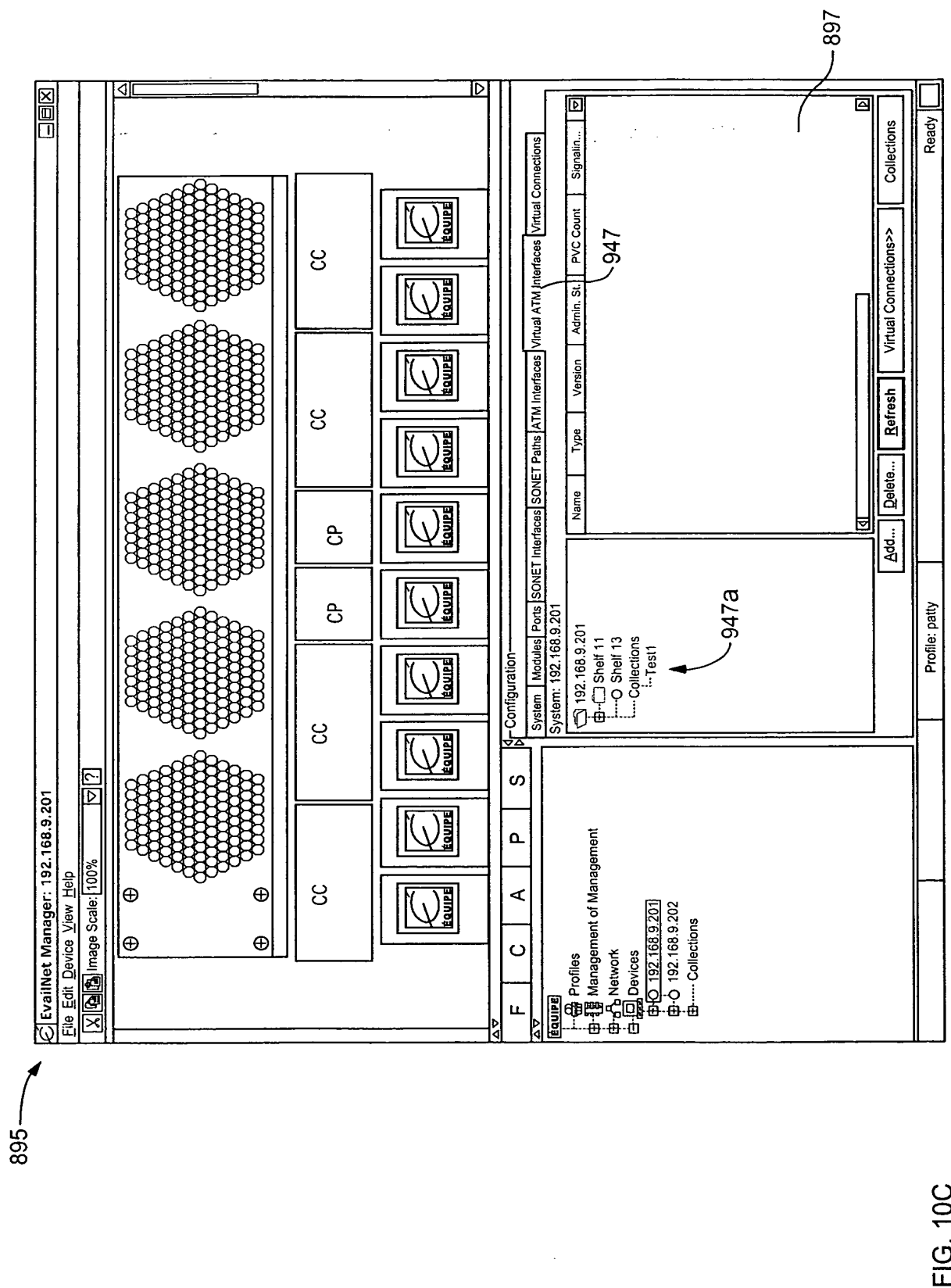


FIG. 10C

895

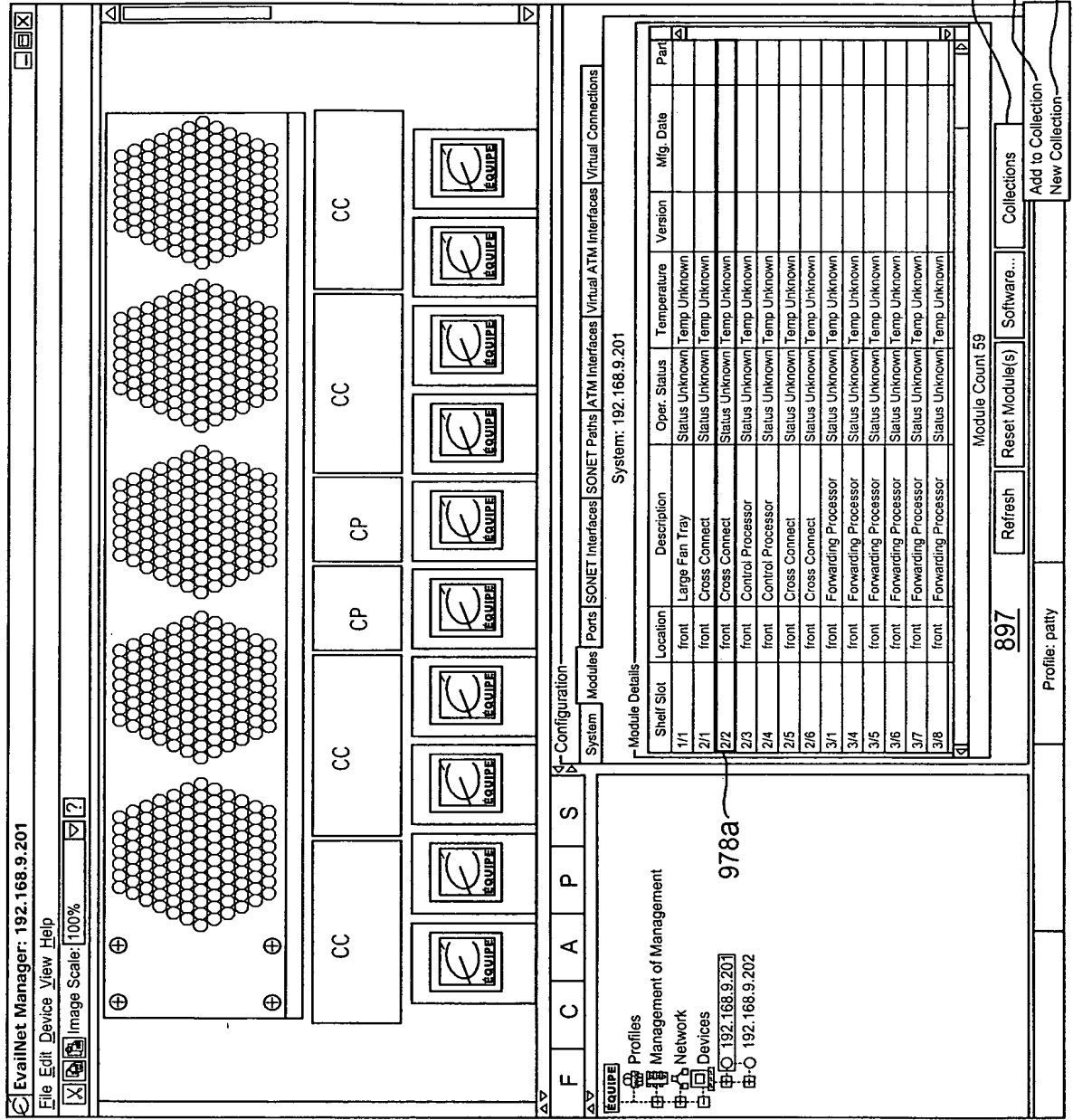


FIG. 10D

Collection Name:

OK

979e

FIG. 10E

Existing Collections:

- Test1
- New1
- Walmart
- KMart

OK

979g

FIG. 10F

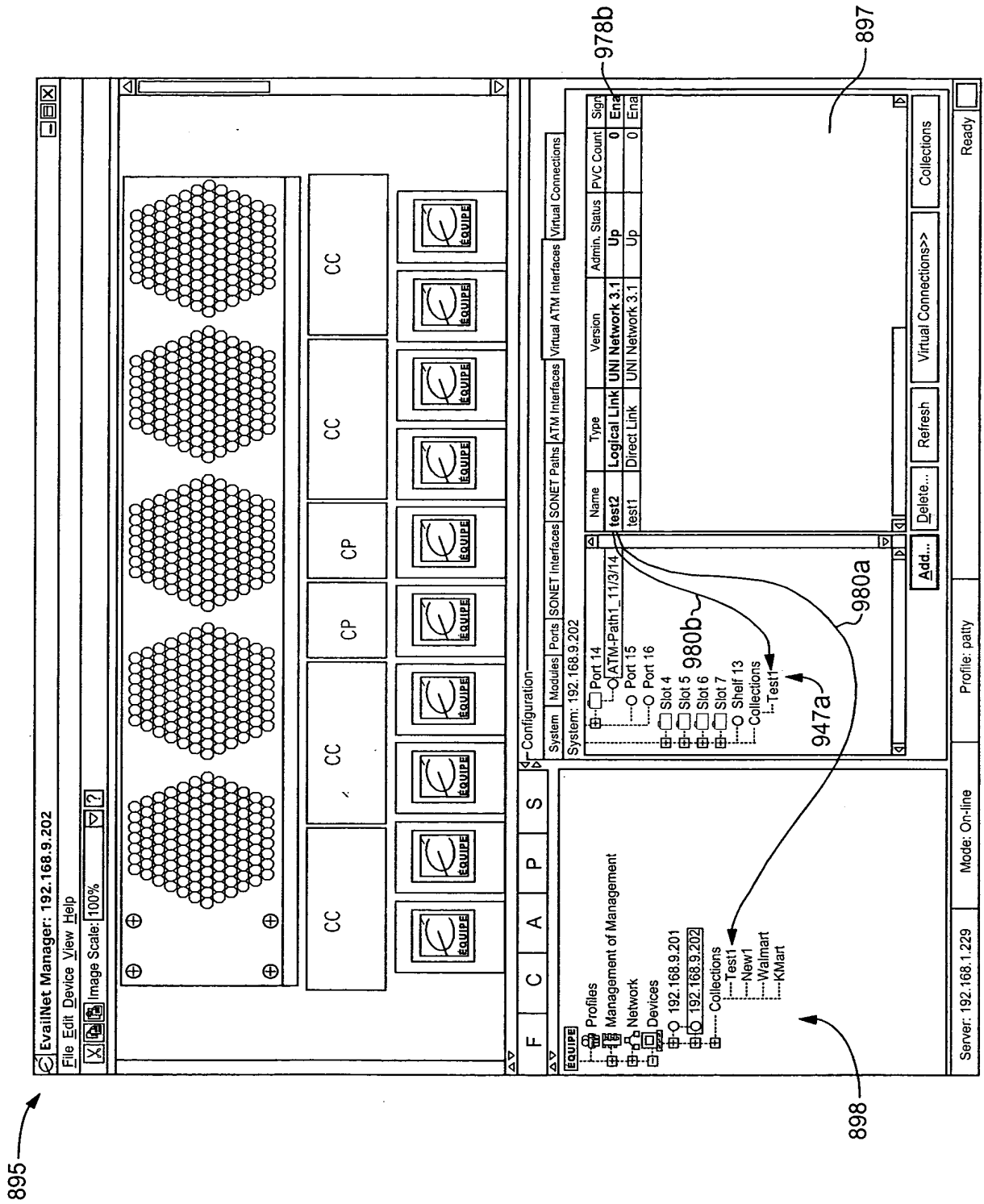


FIG. 10G

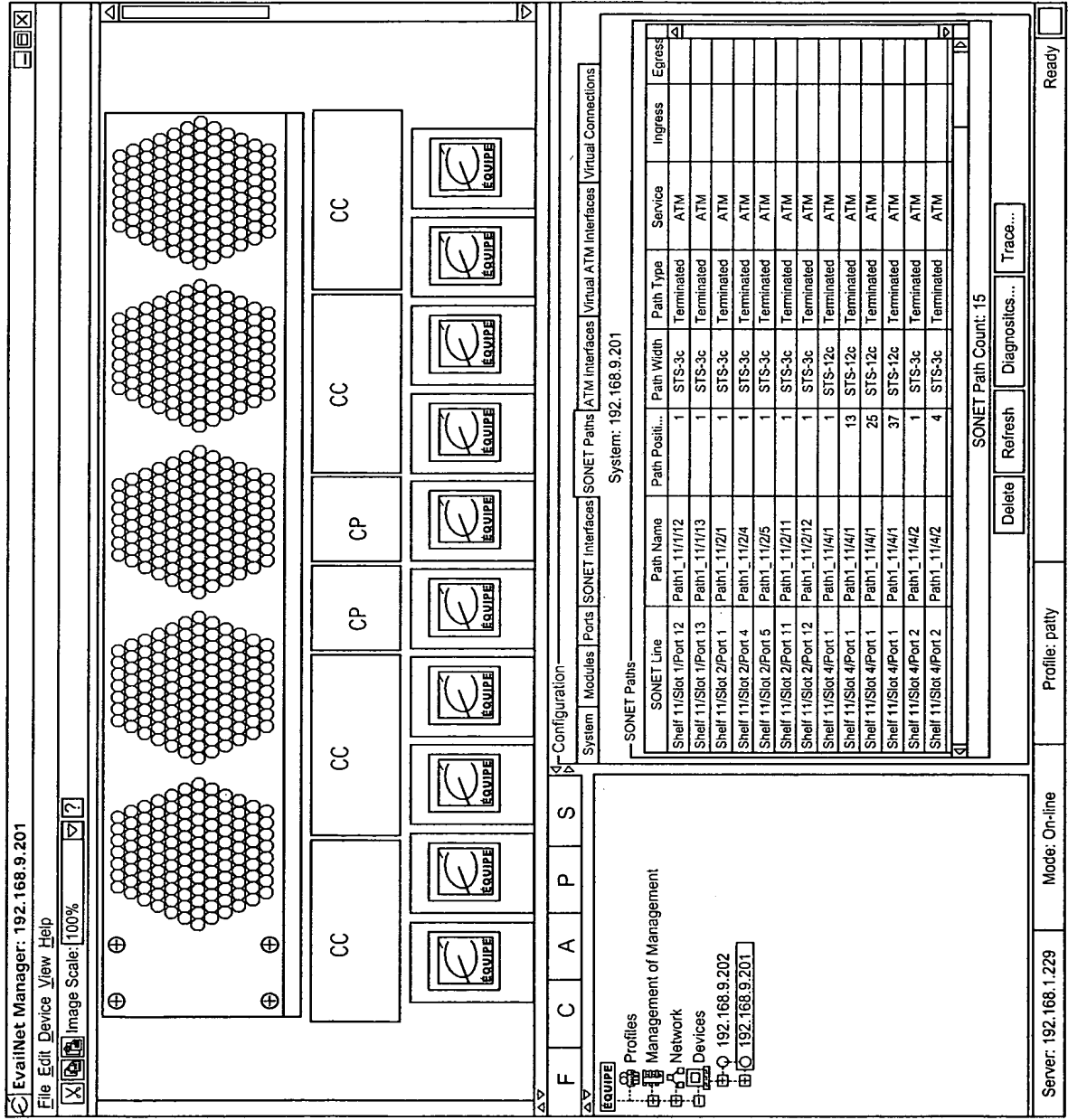


FIG. 10H

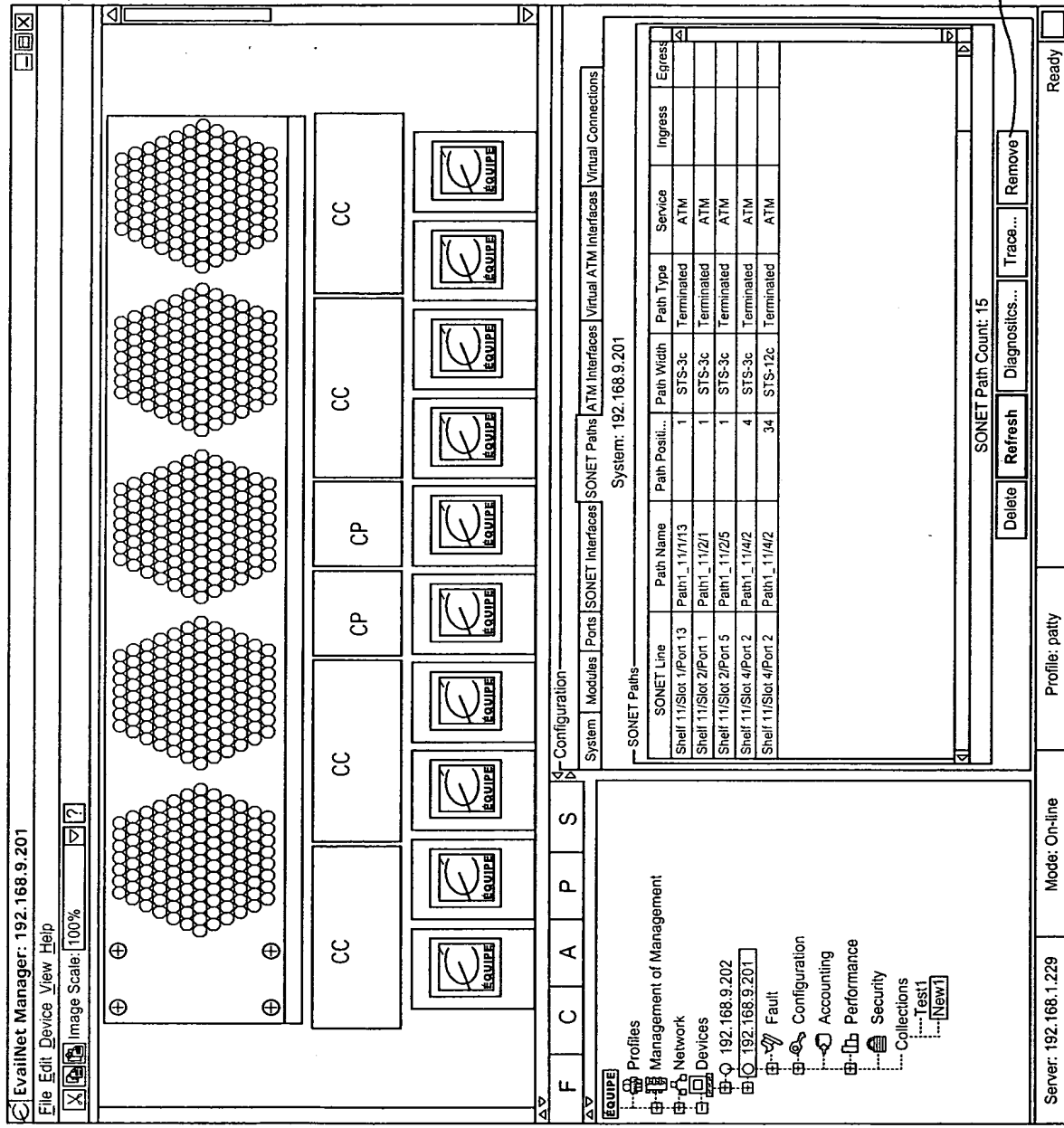


FIG. 10I

903

Profiles

System: 192.132.60.150

Profile Manager

| Name  | Description    | Security Level | Timeout | Primary Server     | Secondary Server         |
|-------|----------------|----------------|---------|--------------------|--------------------------|
| Joe   | Joe Whitehouse | Admin          | 15      | 192.168.1.32       | 192.168.1.32             |
| Wayne | Wayne Arena    | Provisioner    | 15      | TeamServer1:192... | TeamServer2:192.168.1.32 |

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: \*\*\*\*\* 908b

Confirm Password: \*\*\*\*\* 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

TO  
FIG. 11B CONTINUED

FIG. 11B



FROM  
FIG. 11B

Servers

Primary Server:

192.168.1.220

6500

192.168.1.221

6503

Primary Server Port:

Secondary Server:

Secondary Server Port:

Devices

| Device        | READ   | READ/WRITE | Retry | Timeout |
|---------------|--------|------------|-------|---------|
| 192.168.9.202 | public | equipe     | 3     | 3       |
| 192.168.9.205 | public | equipe     | 3     | 3       |
| 192.168.9.216 | public | equipe     | 3     | 3       |

Add

Delete

OK

Cancel

FIG. 11B CONTINUED

General

Policies

Servers

Devices

Username:

Kevin

Description:

Kevin Snow user account

Customer Name:

Equipe

Group Level Access:

▽

Password:

\*\*\*\*\*

Confirm Password:

\*\*\*\*\*

908t

OK

Cancel

FIG. 11C

General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout:  Minutes

908t

OK

Cancel

FIG. 11D

General

Policies

Servers

Devices

Primary Server:

192.168.1.220

Primary Server Port:

6500

Secondary Server:

192.168.1.205

Secondary Server Port:

6503

908t

OK

Cancel

FIG. 11E

| General       |        | Policies   | Servers | Devices |           |
|---------------|--------|------------|---------|---------|-----------|
| Device        | READ   | READ/WRITE | Retry   | Timeout | Trap Port |
| 192.168.9.202 | public | equipe     | 3       | 3       | 162       |
| 192.168.9.205 | public | equipe     | 3       | 3       | 162       |
| 192.168.9.216 | public | equipe     | 3       | 3       | 5012      |

FIG. 11F

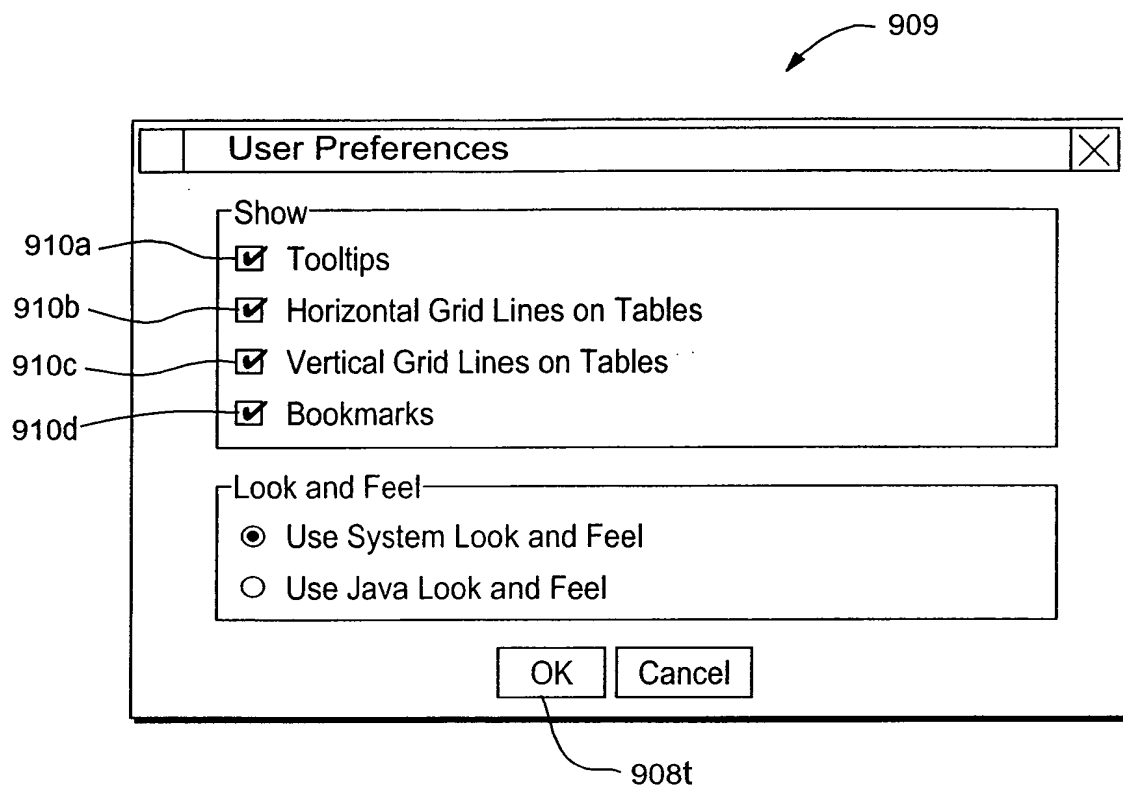


FIG. 11G

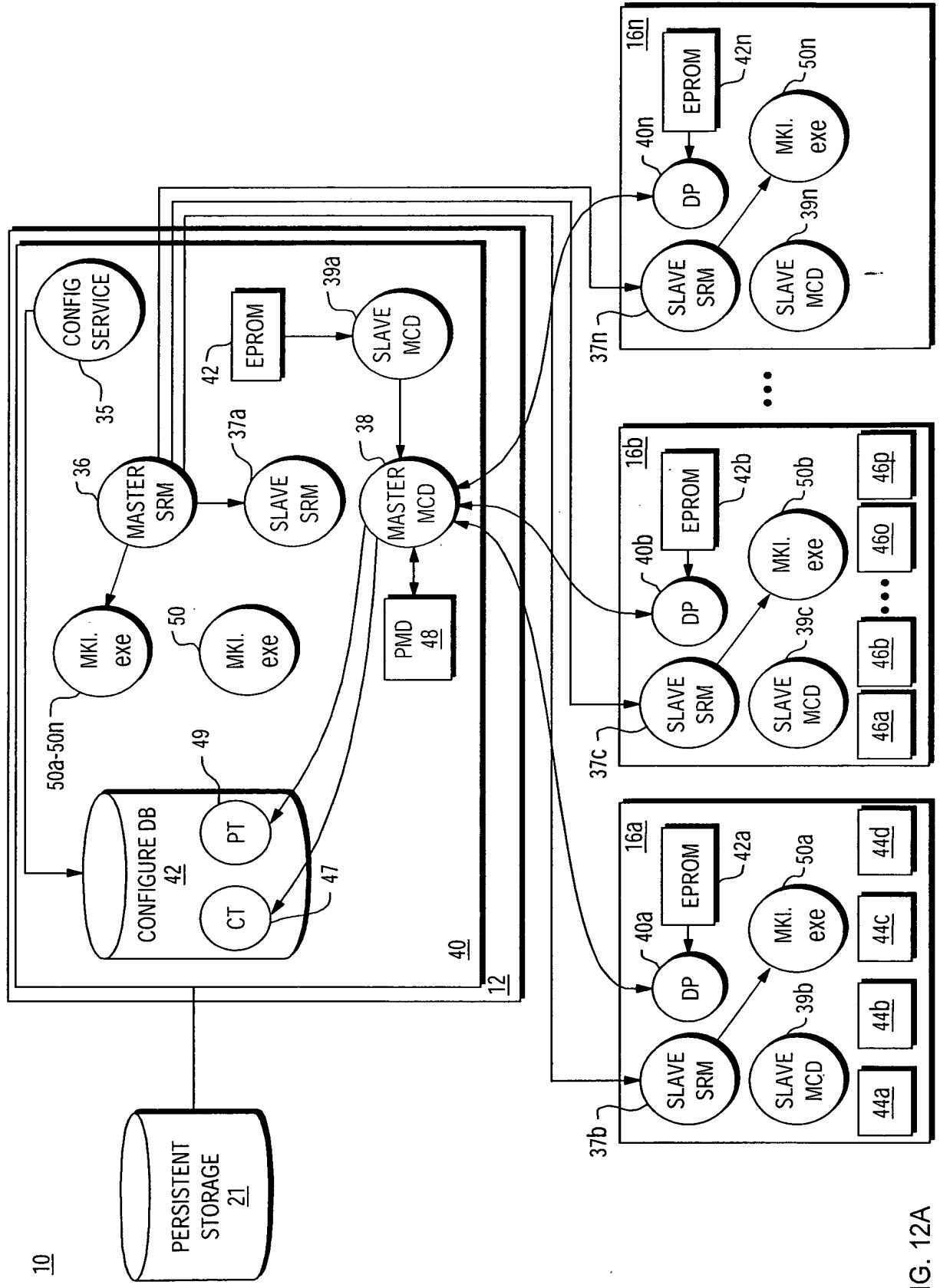


FIG. 12A

CARD TABLE 47

|     | PID | CWD TYPE | VERSION NO. | SLOT NO. | ... |
|-----|-----|----------|-------------|----------|-----|
| 16a | 500 | 0XF002   | 3           | 1        |     |
| 16b | 501 | 0XF002   | 4           | 2        |     |
|     | ⋮   | ⋮        | ⋮           | ⋮        | ⋮   |
| 16e | 505 | 0X6002   | 1           | 5        |     |
|     | ⋮   | ⋮        | ⋮           | ⋮        | ⋮   |
| 16n | 513 | 0XF002   | 1           | 12       |     |
|     | ⋮   | ⋮        | ⋮           | ⋮        | ⋮   |

FIG. 12B



PORT TABLE 49

|     | PID  | PORT TYPE | VERSION NO. | SLOT NO. | ... |
|-----|------|-----------|-------------|----------|-----|
| 44a | 1500 | 00620     | 1           | 1        |     |
| 44b | 1501 | 00620     | 1           | 1        |     |
| 44c | 1502 | 00620     | 1           | 1        |     |
| 44d | 1503 | 00620     | 1           | 1        |     |
| 44a | 1504 | 00820     |             |          |     |
|     | ⋮    | ⋮         | ⋮           | ⋮        | ⋮   |
| 46a | 1600 | 00620     | 1           | 8        |     |
|     | ⋮    | ⋮         | ⋮           | ⋮        | ⋮   |

FIG. 12C

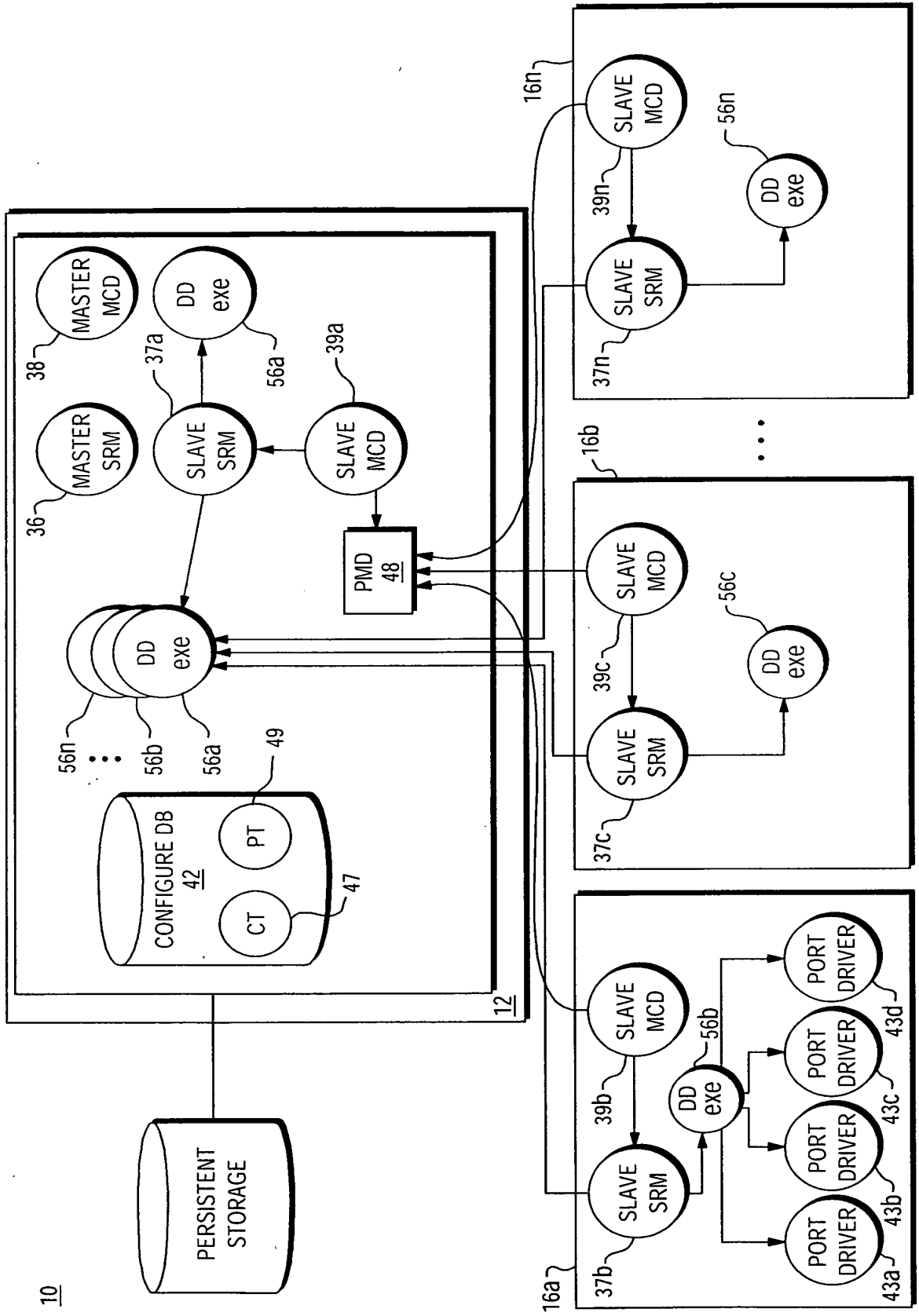


FIG. 13A

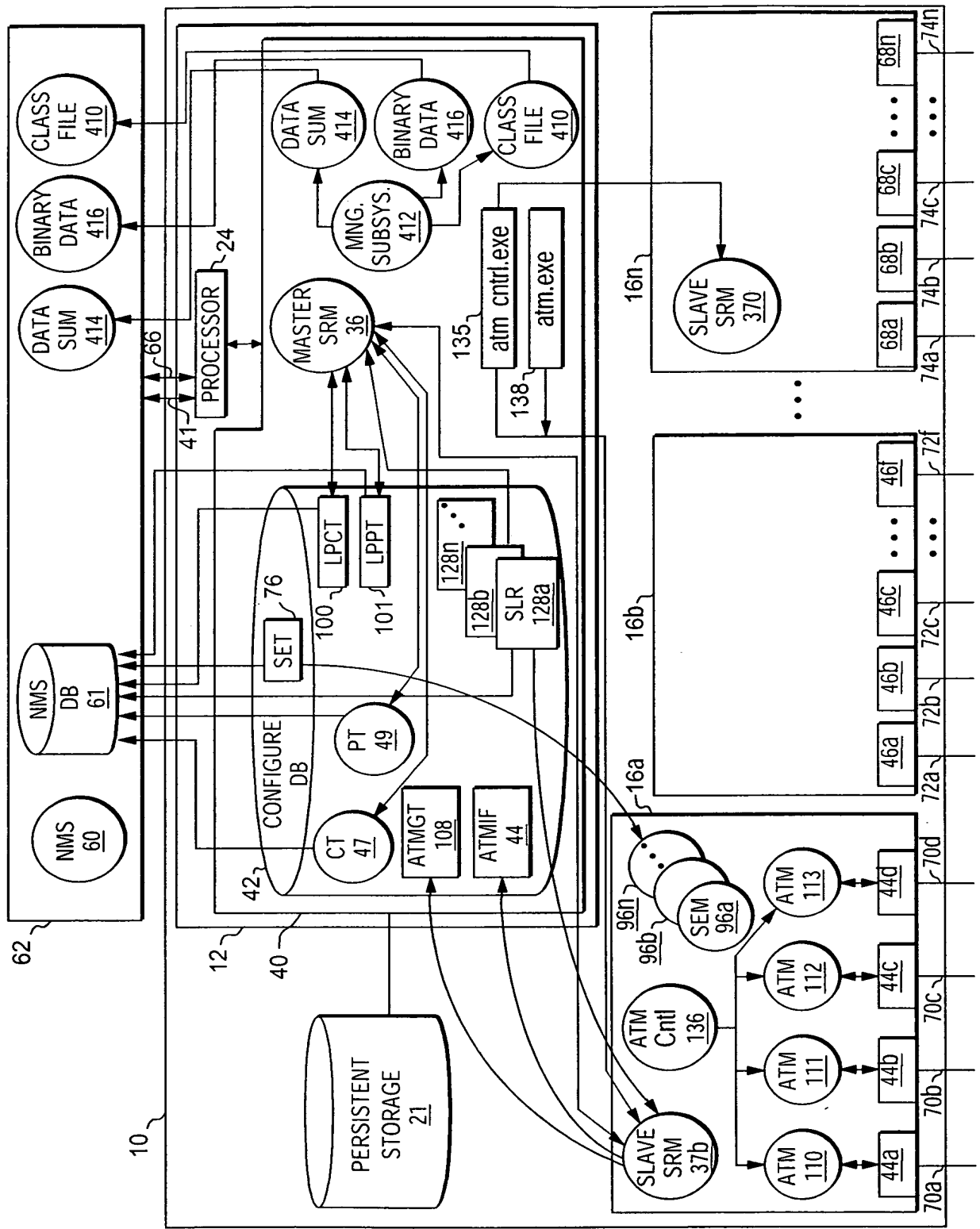


FIG. 13B

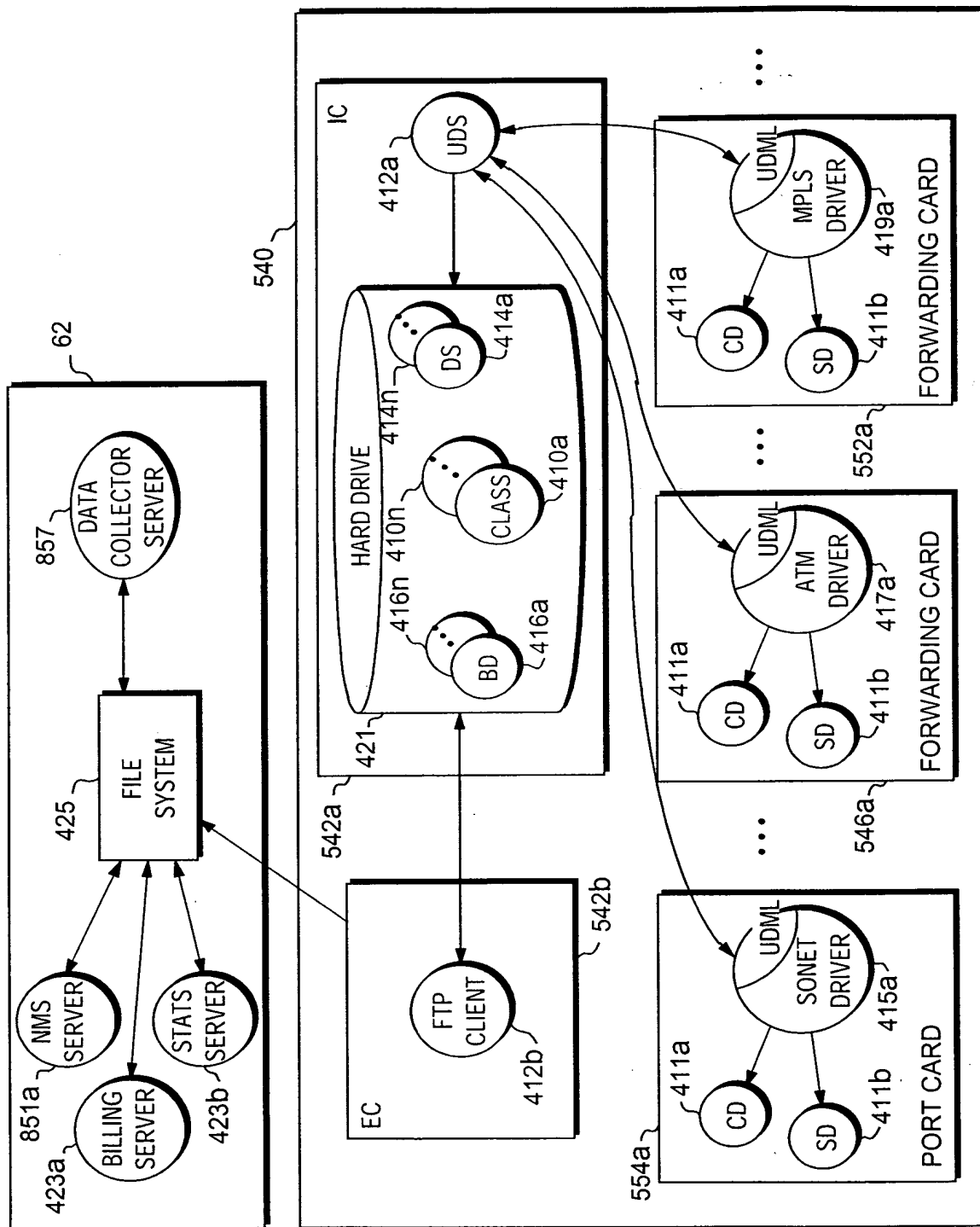


FIG. 13C

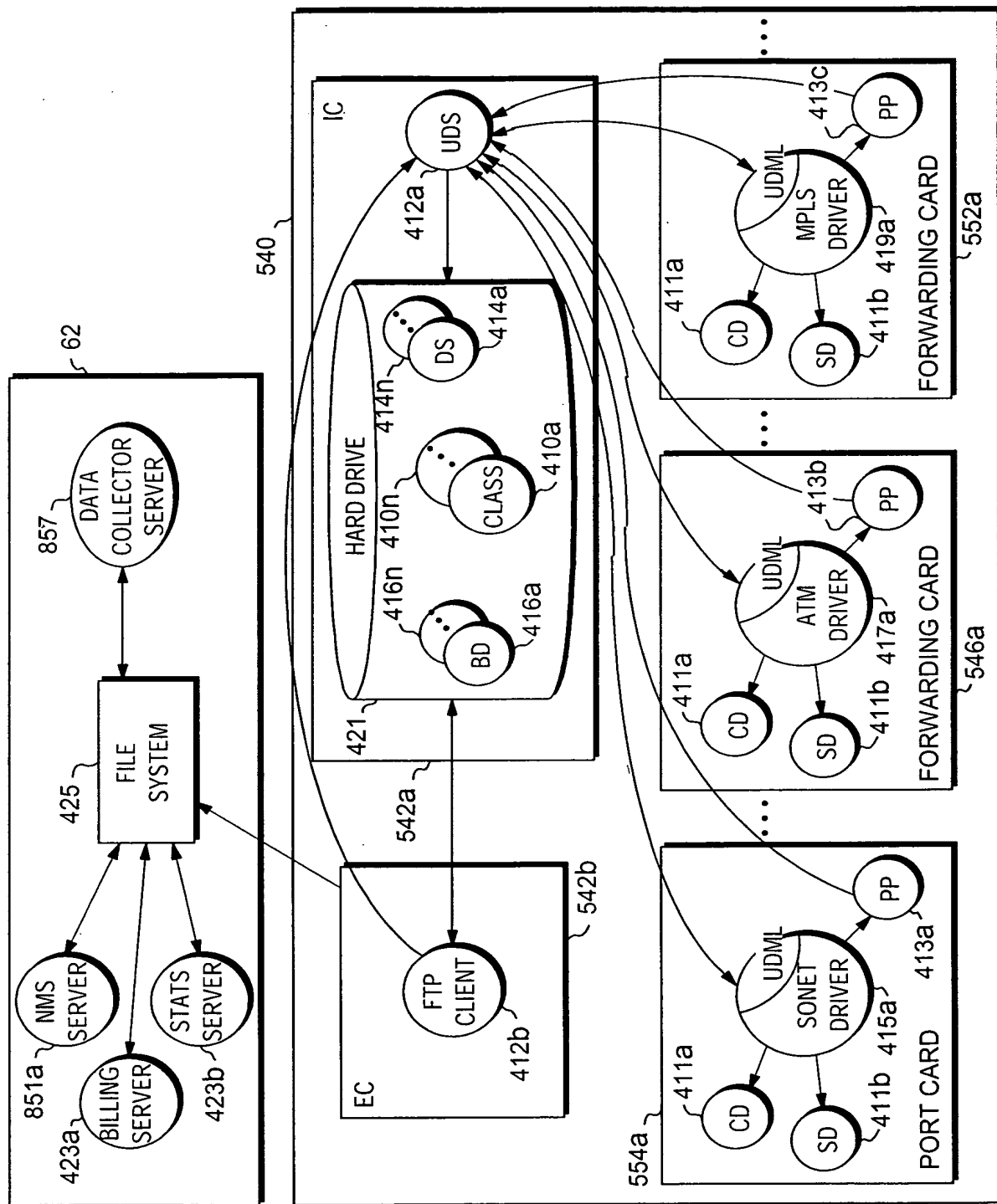


FIG. 13D

SERVICE ENDPOINT TABLE 76

|     | SERVICE<br>ENDPOINT # | PORT PID |
|-----|-----------------------|----------|
| 78  | 1                     | 1500     |
| 80  | 2                     | 1501     |
| 82  | 3                     | 1501     |
| 84  | 4                     | 1501     |
| 86  | 5                     | 1502     |
| 88  | 6                     | 1502     |
| 90  | 7                     | 1503     |
| 92  | 8                     | 1503     |
| 94  | 9                     | 1503     |
| 168 | 10                    | 1502     |
|     | ⋮                     | ⋮        |
|     | ⋮                     | ⋮        |
|     | ⋮                     | ⋮        |

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

|     | 98<br>LID | 102<br>PRIMARY<br>PID | 104<br>BACK-UP<br>PID |
|-----|-----------|-----------------------|-----------------------|
| 106 | 30        | 500                   | 513                   |
| 109 | 31        | 501                   | 513                   |
|     | ⋮         | ⋮                     | ⋮                     |
|     | ⋮         | ⋮                     | ⋮                     |
|     | ⋮         | ⋮                     | ⋮                     |

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

|     | 98<br>LID | 102<br>PRIMARY<br>PID | 104<br>BACK-UP<br>PID |
|-----|-----------|-----------------------|-----------------------|
| 107 | 40        | 1500                  | 1600                  |
|     | ⋮         | ⋮                     | ⋮                     |
|     | ⋮         | ⋮                     | ⋮                     |
|     | ⋮         | ⋮                     | ⋮                     |

FIG. 14C

ATM GROUP TABLE 108

| GROUP # | CARD LID | ... |
|---------|----------|-----|
| 1       | 30       |     |
| 2       | 30       |     |
| 3       | 30       |     |
| 4       | 30       |     |

FIG. 14D

ATM INTERFACE TABLE 114

| ATM IF | ATM GROUP | SE | ... |
|--------|-----------|----|-----|
| 1      | 1         | 1  |     |
| 2      | 1         | 1  |     |
| 3      | 1         | 1  |     |
| 4      | 2         | 2  |     |
| 5      | 2         | 3  |     |
| 6      | 2         | 4  |     |
| ⋮      | ⋮         | ⋮  | ⋮   |
| 12     | 3         | 10 |     |
| ⋮      | ⋮         | ⋮  | ⋮   |

170

FIG. 14E

SOFTWARE LOAD RECORD 128a

|     |              |     |     |
|-----|--------------|-----|-----|
| 130 | CONTROL SHIM | LID | 132 |
| 134 | atm-cntl.exe | 30  |     |

FIG. 14F

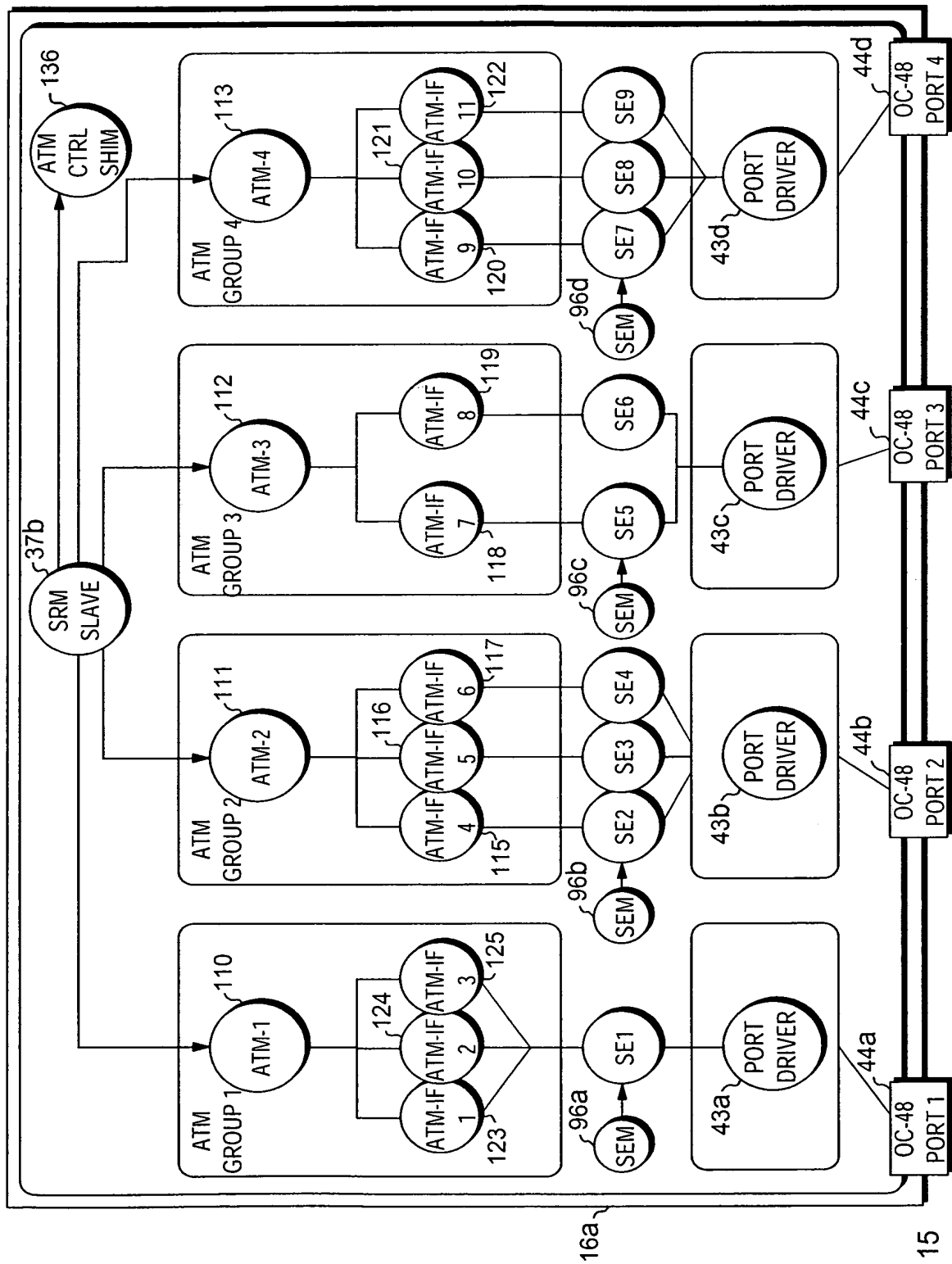


FIG. 15



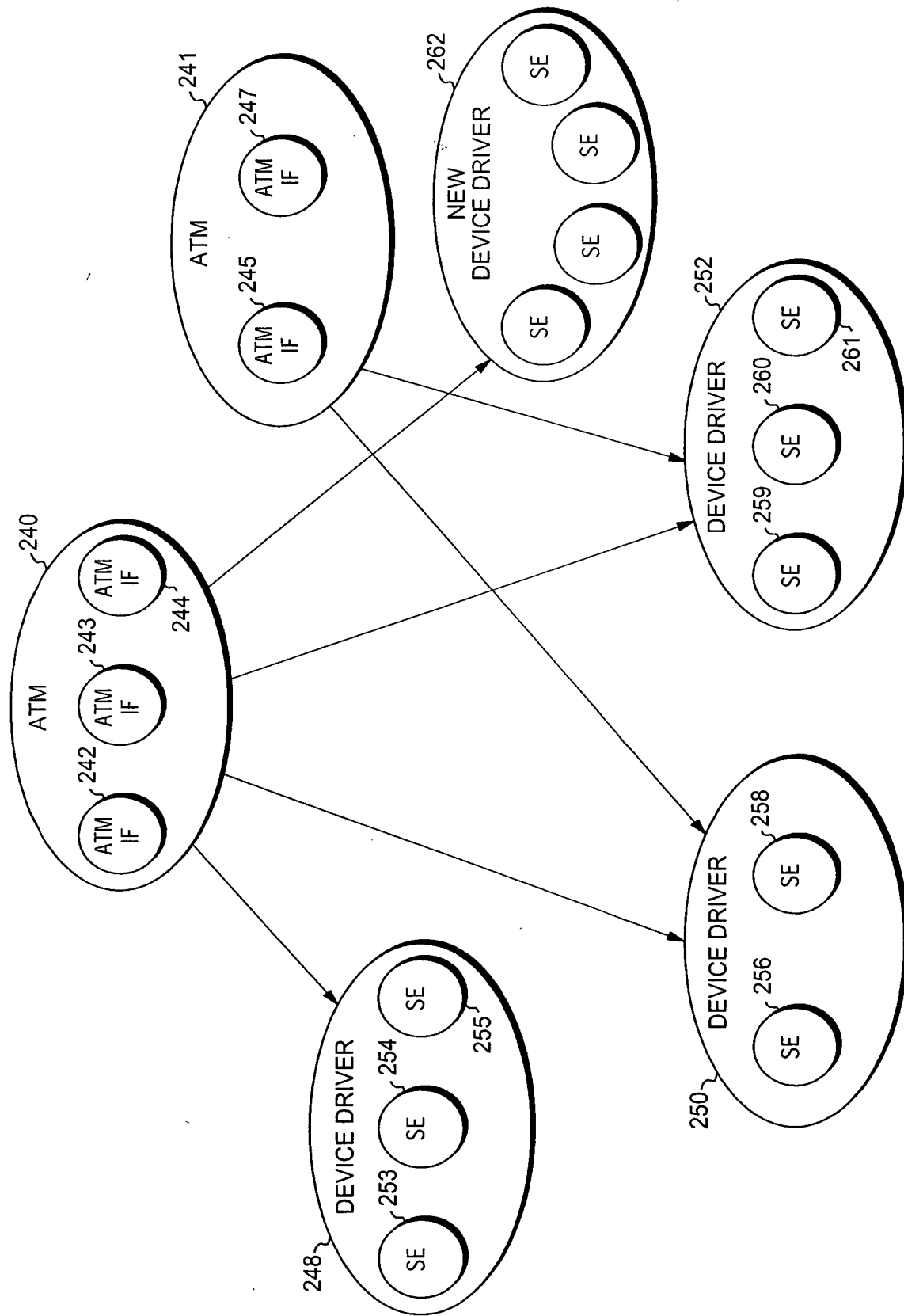


FIG. 16A

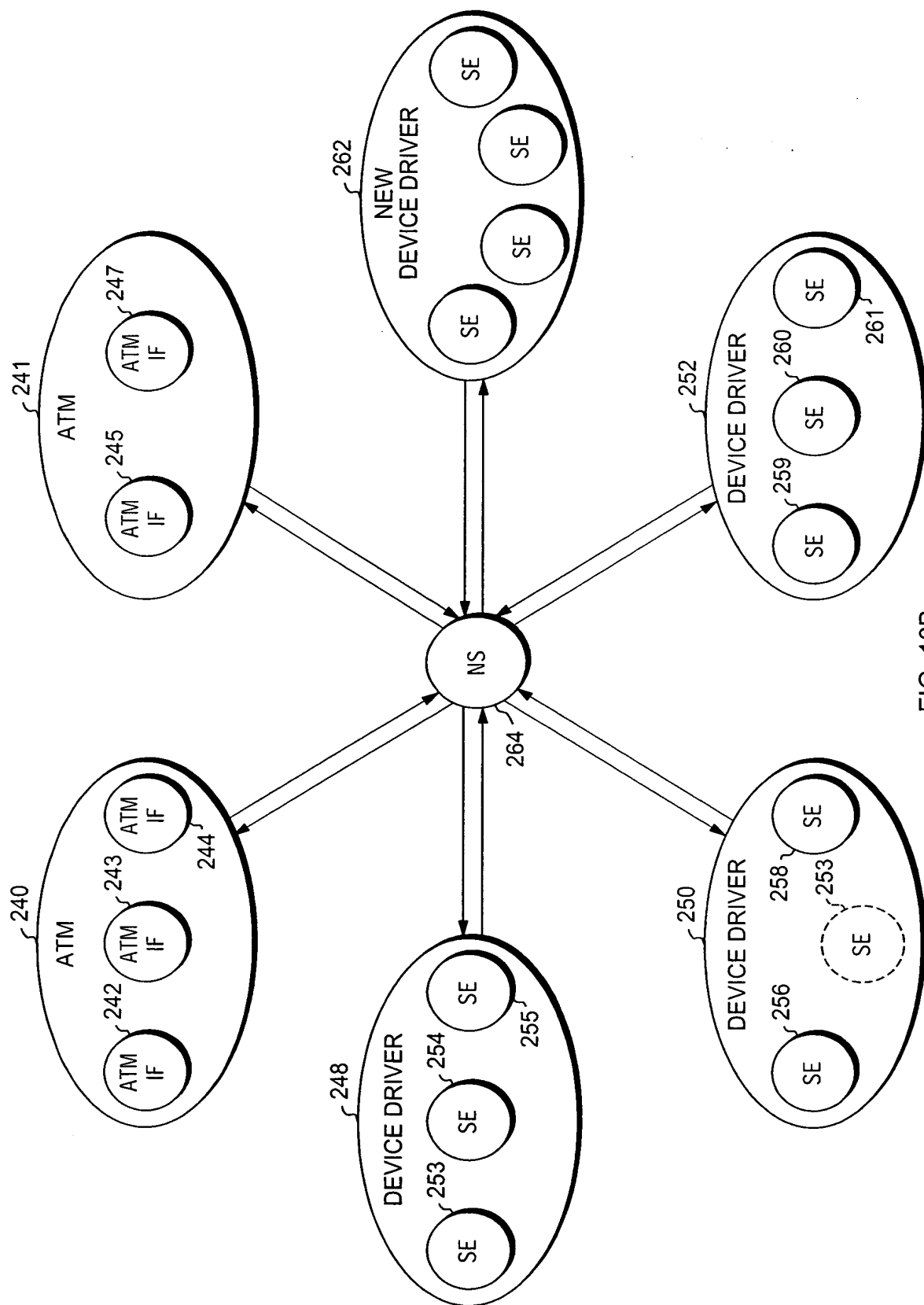


FIG. 16B

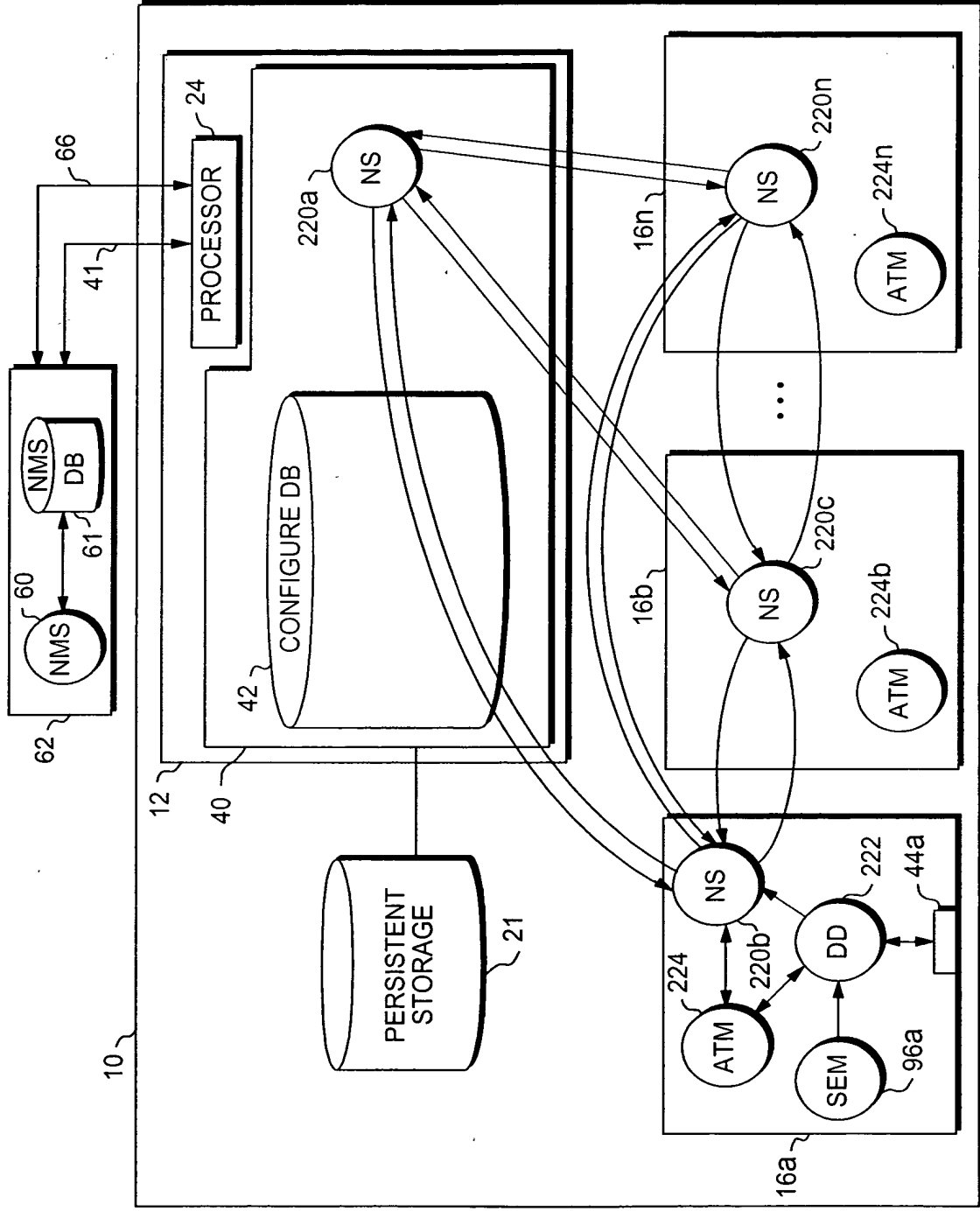


FIG. 16C

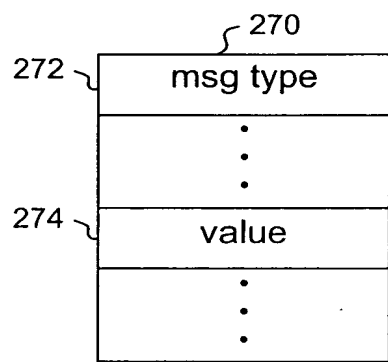


FIG. 16D

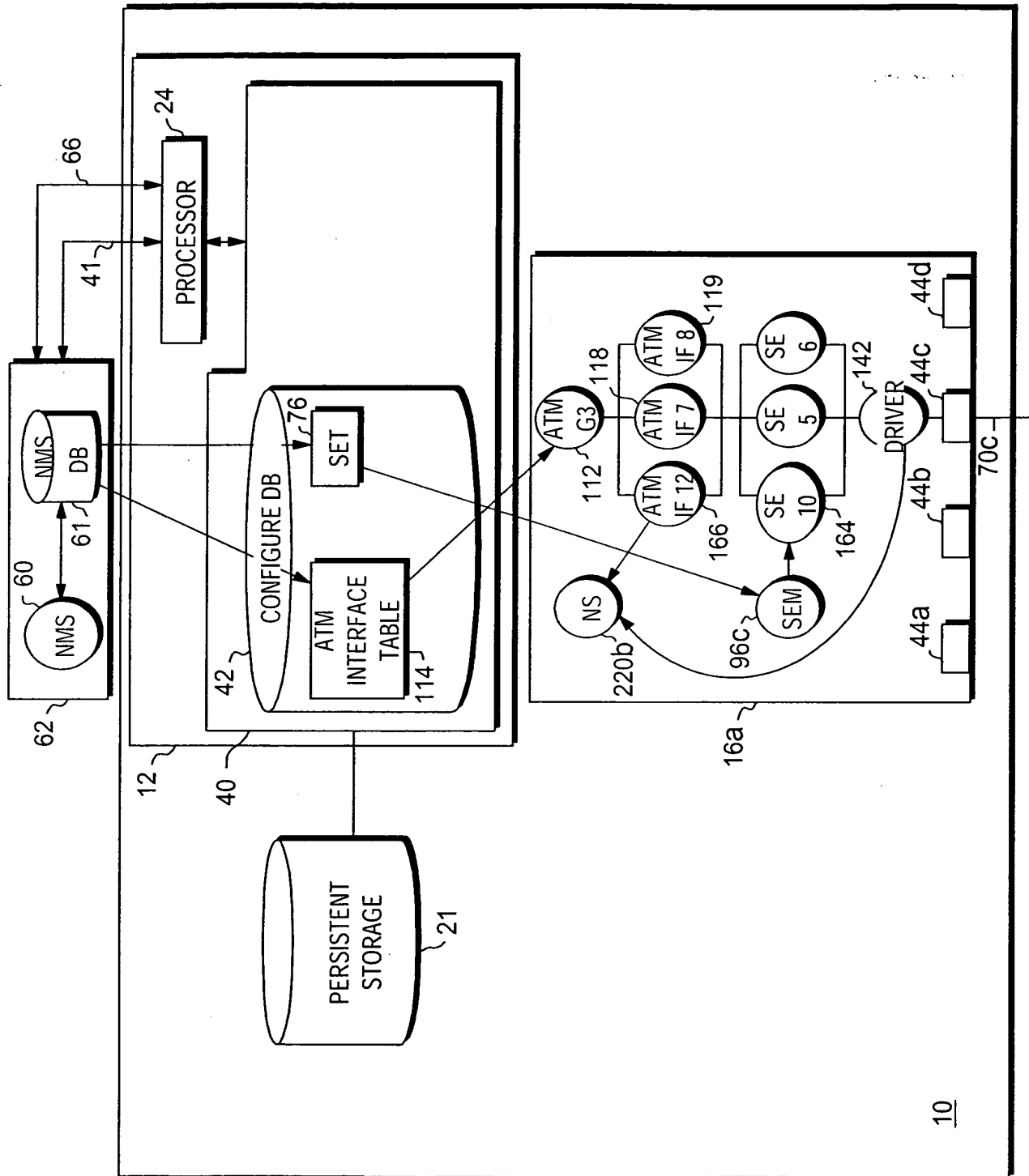
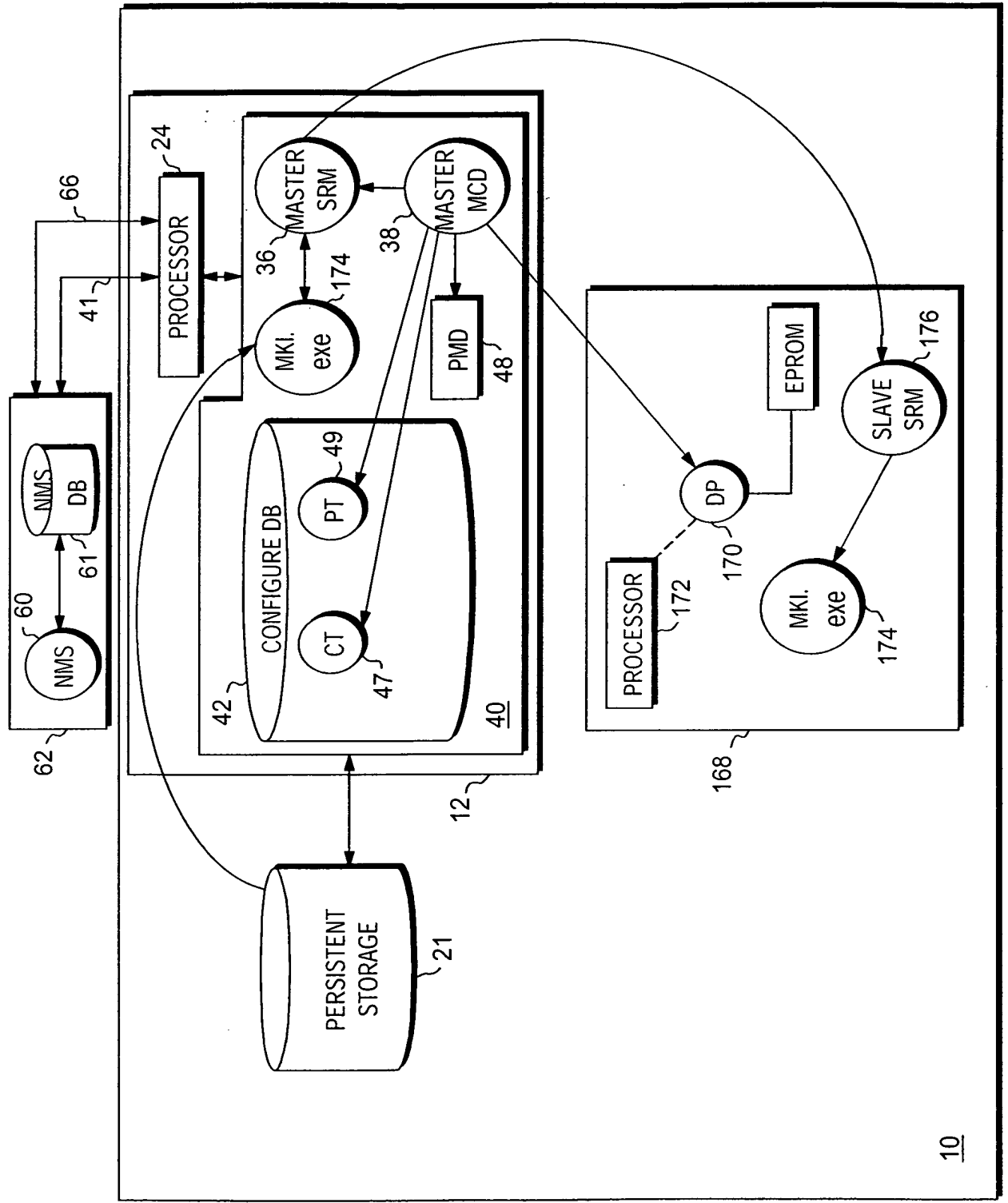


FIG. 17



10

FIG. 18

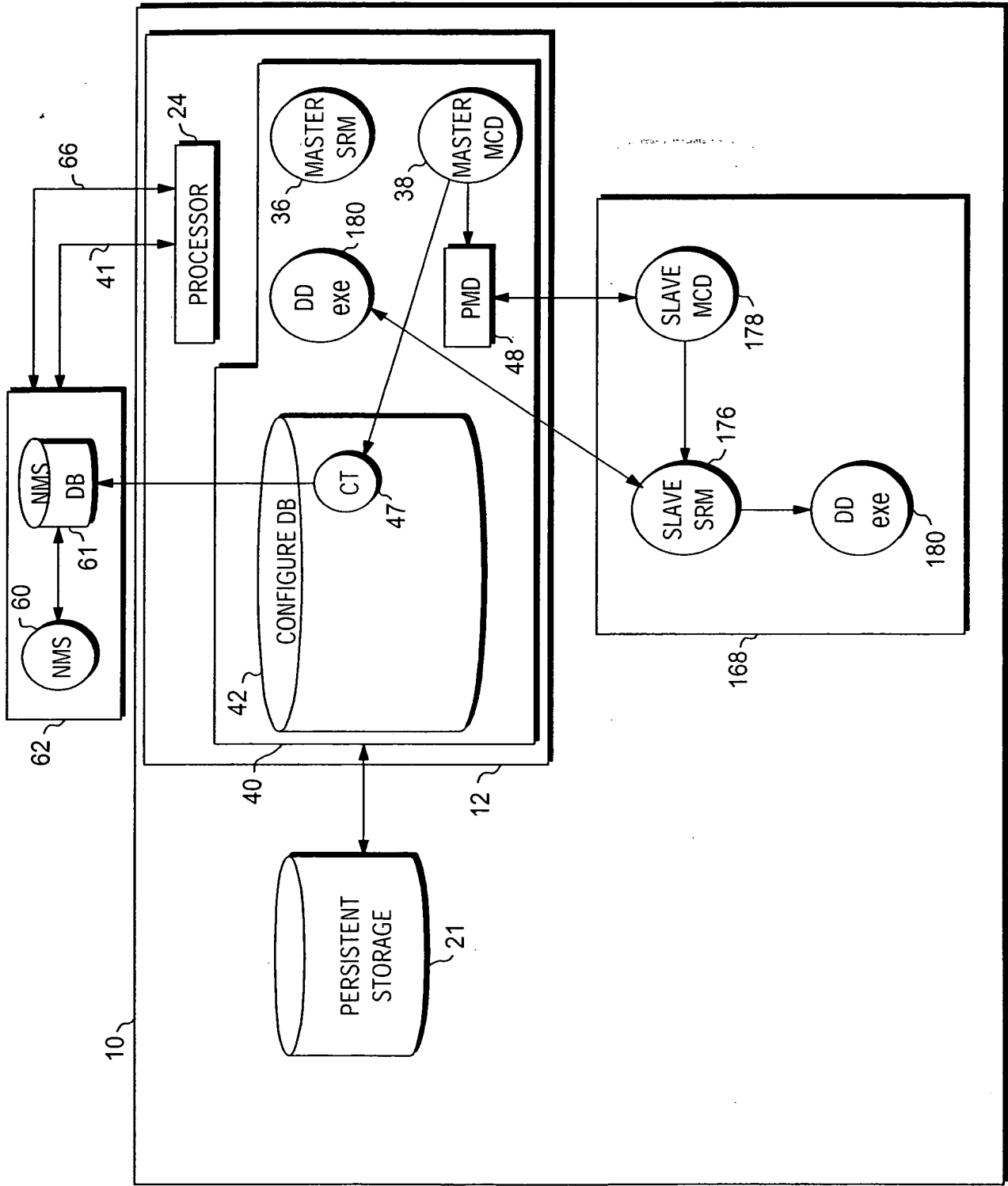


FIG. 19

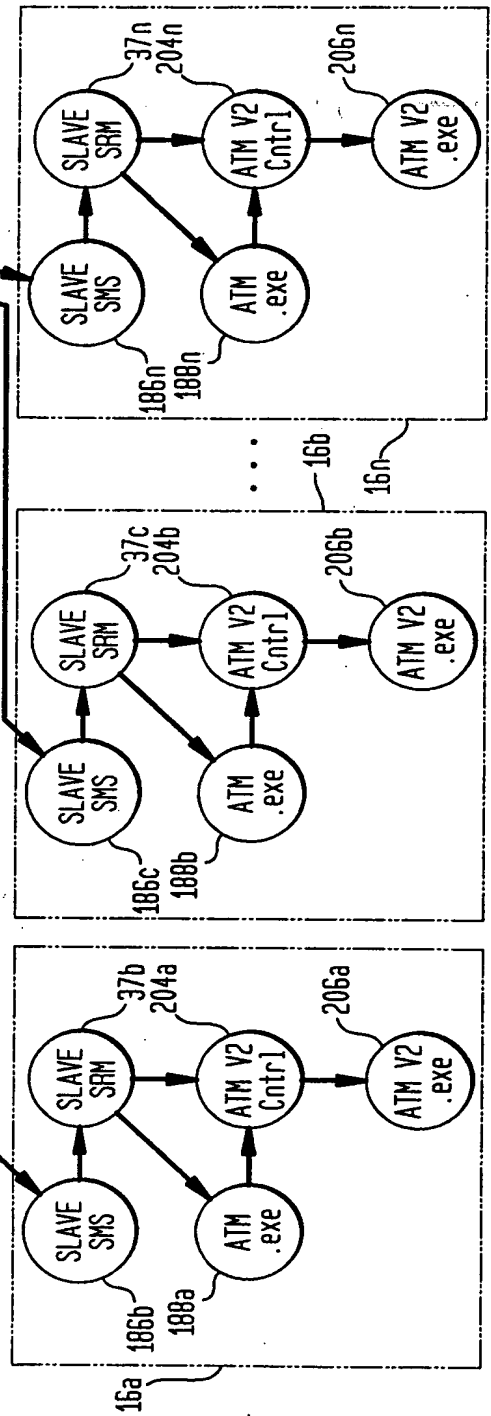
[illegible]



FIG. 21

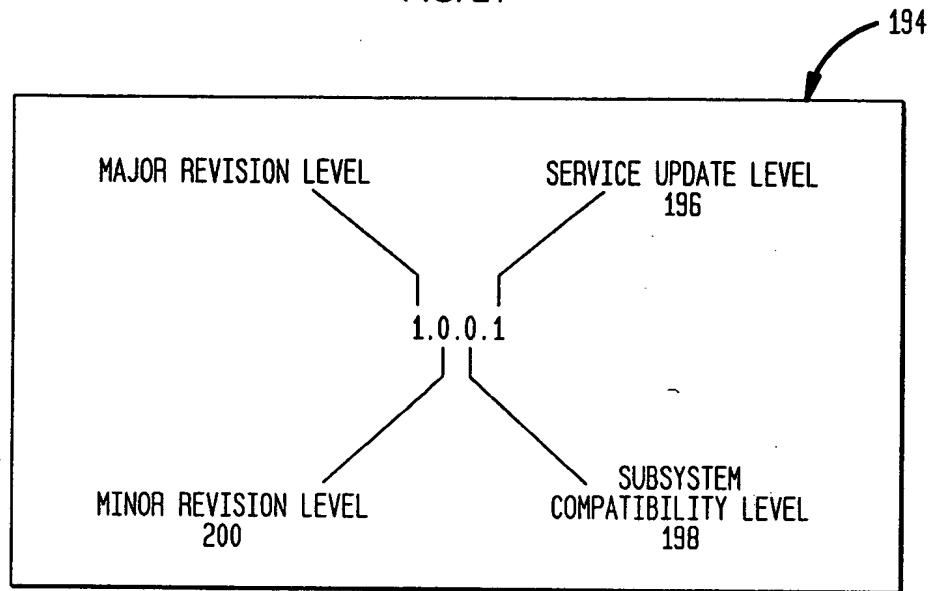


FIG. 22

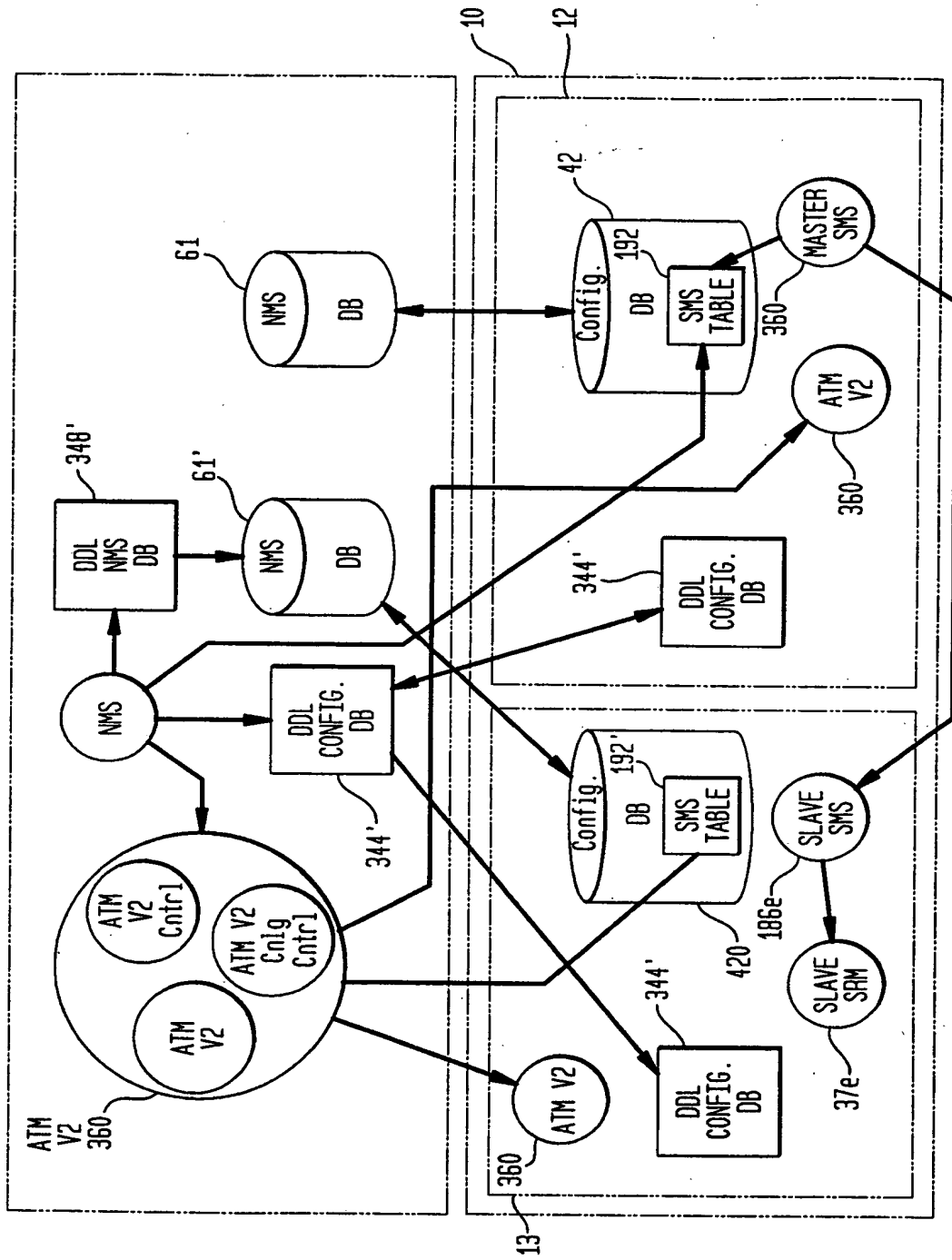
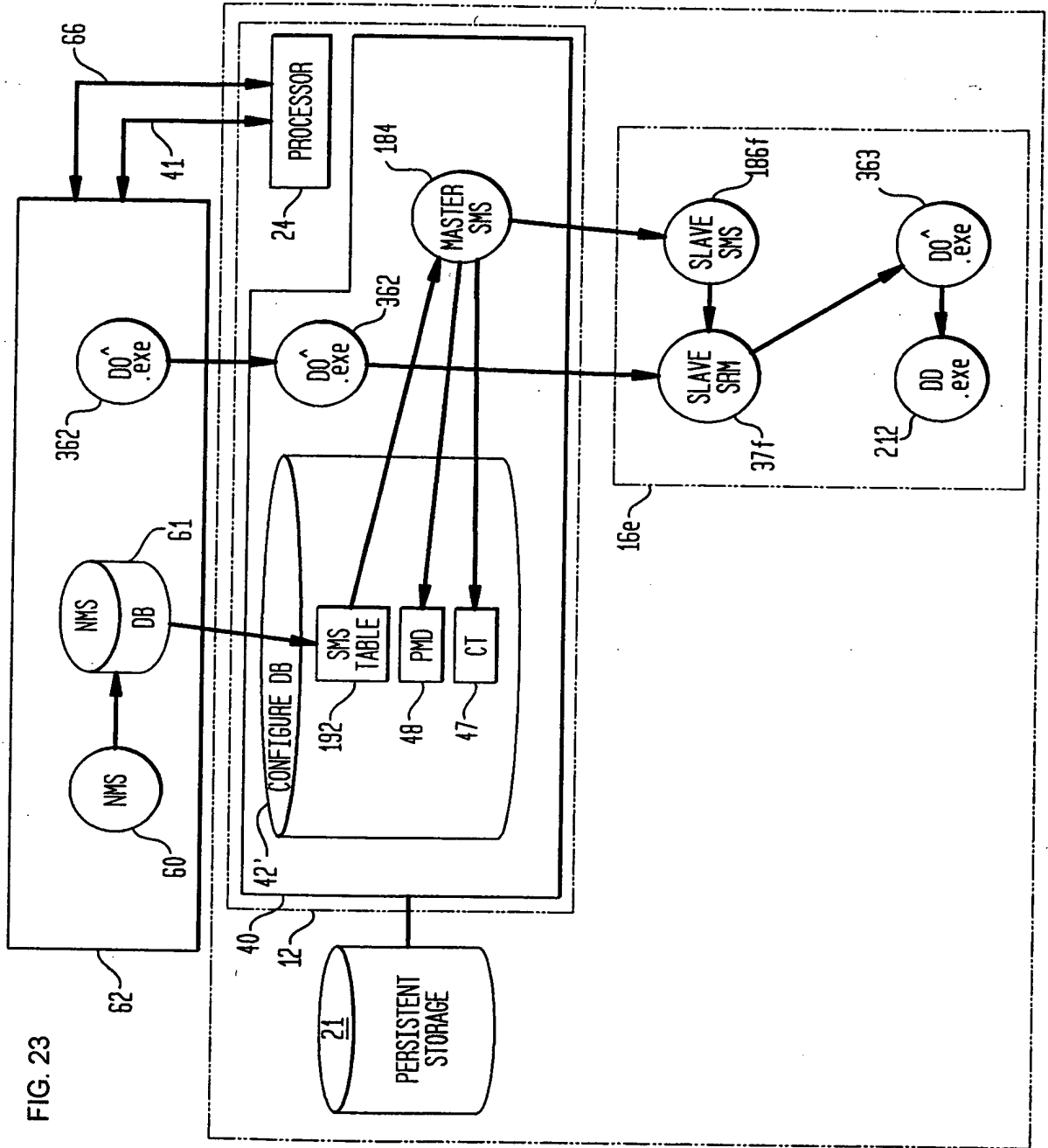


FIG. 23



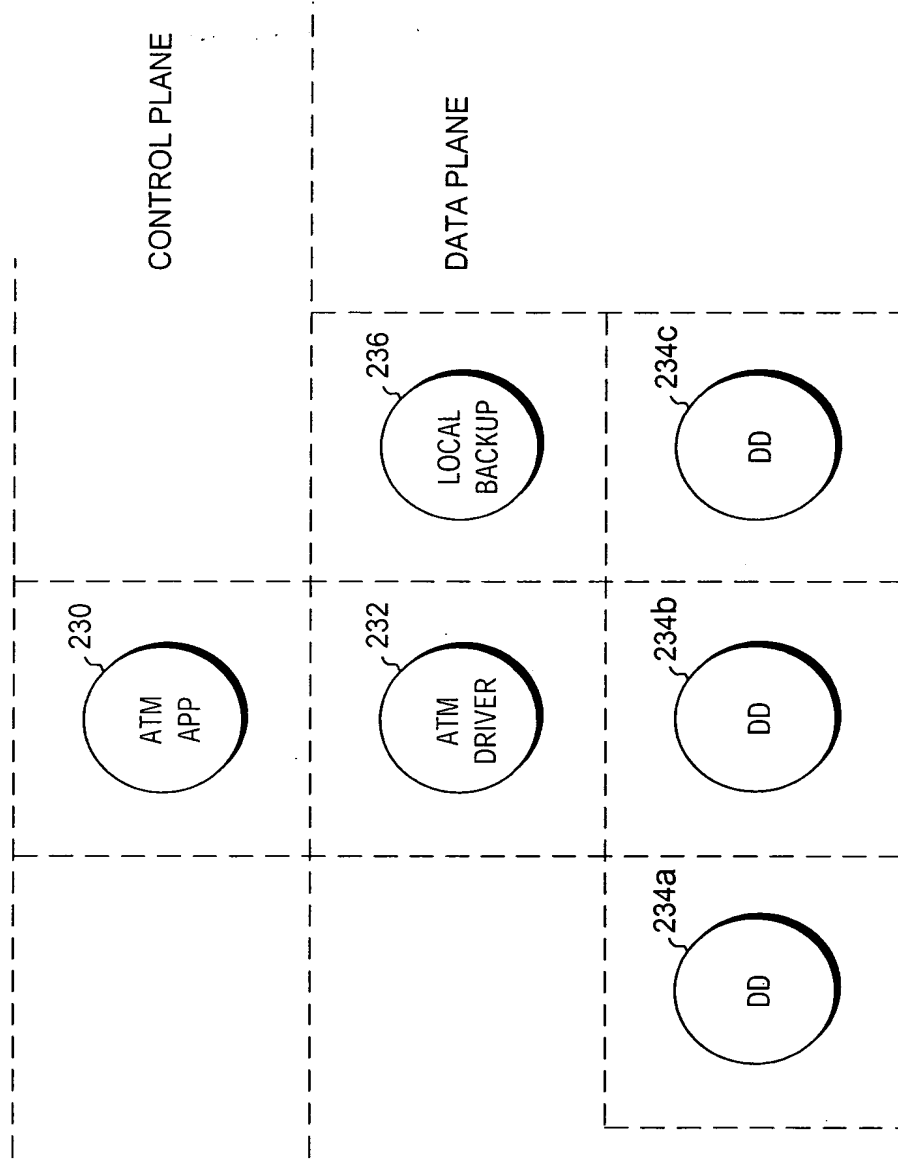


FIG. 24

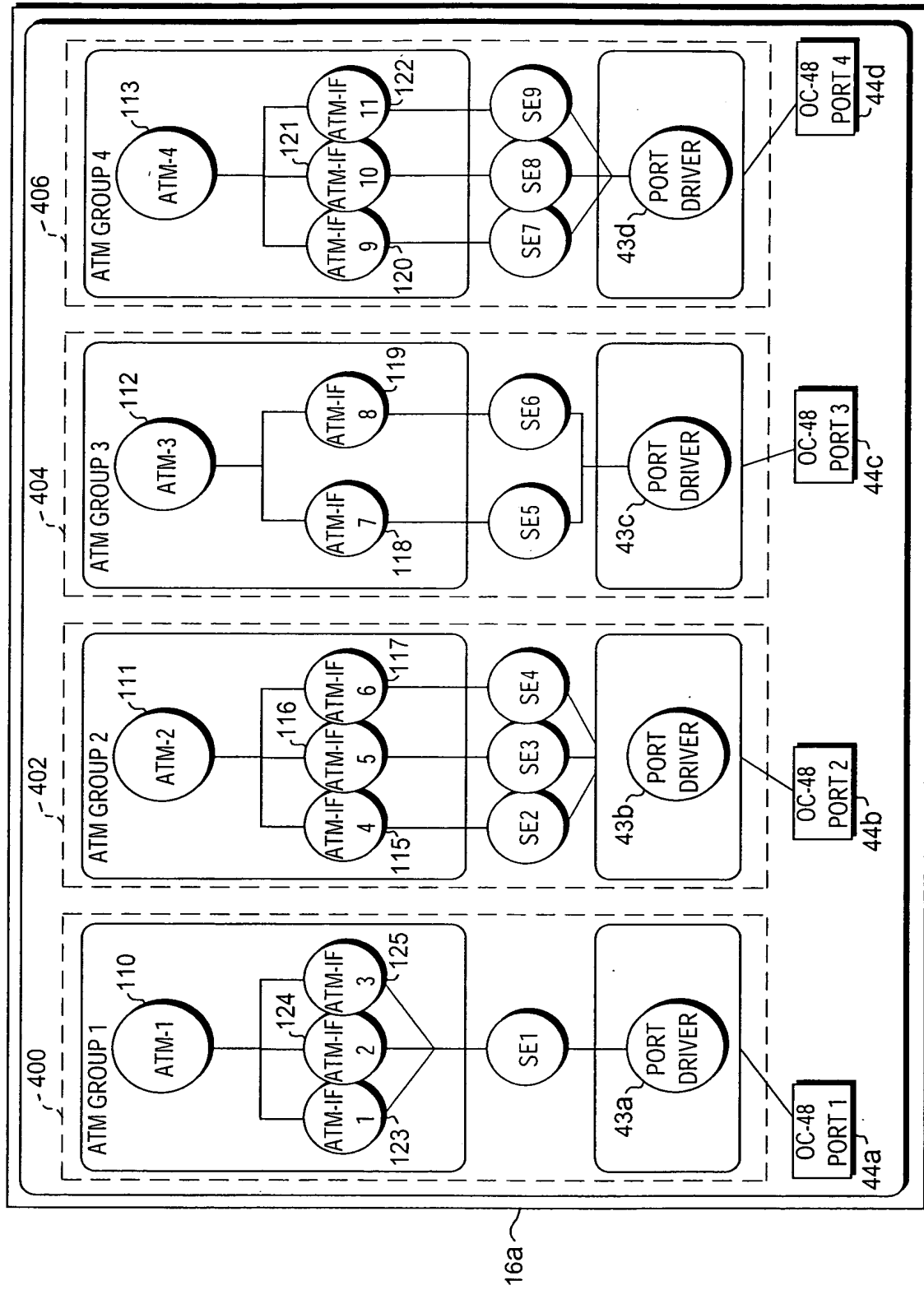


FIG. 25

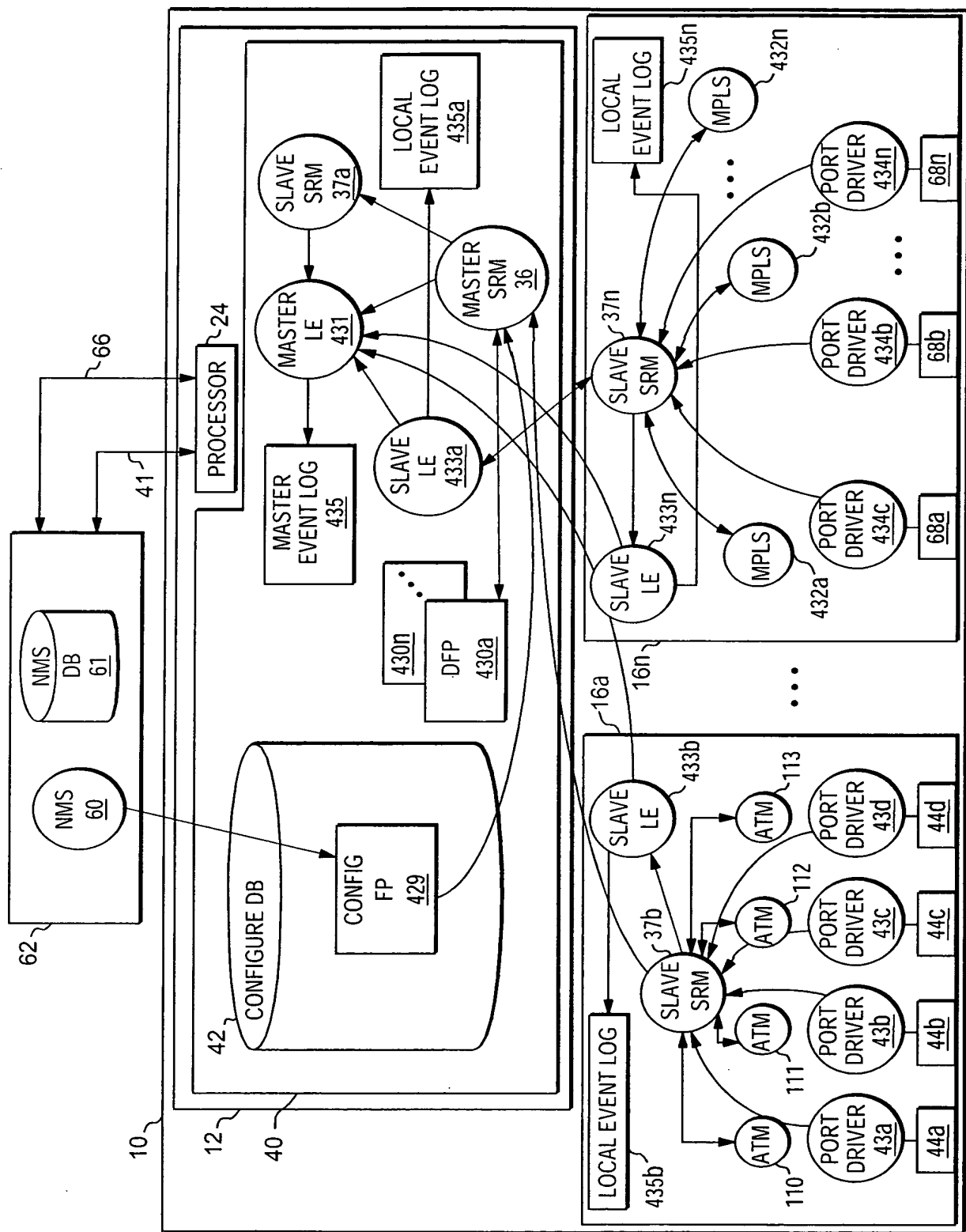


FIG. 26

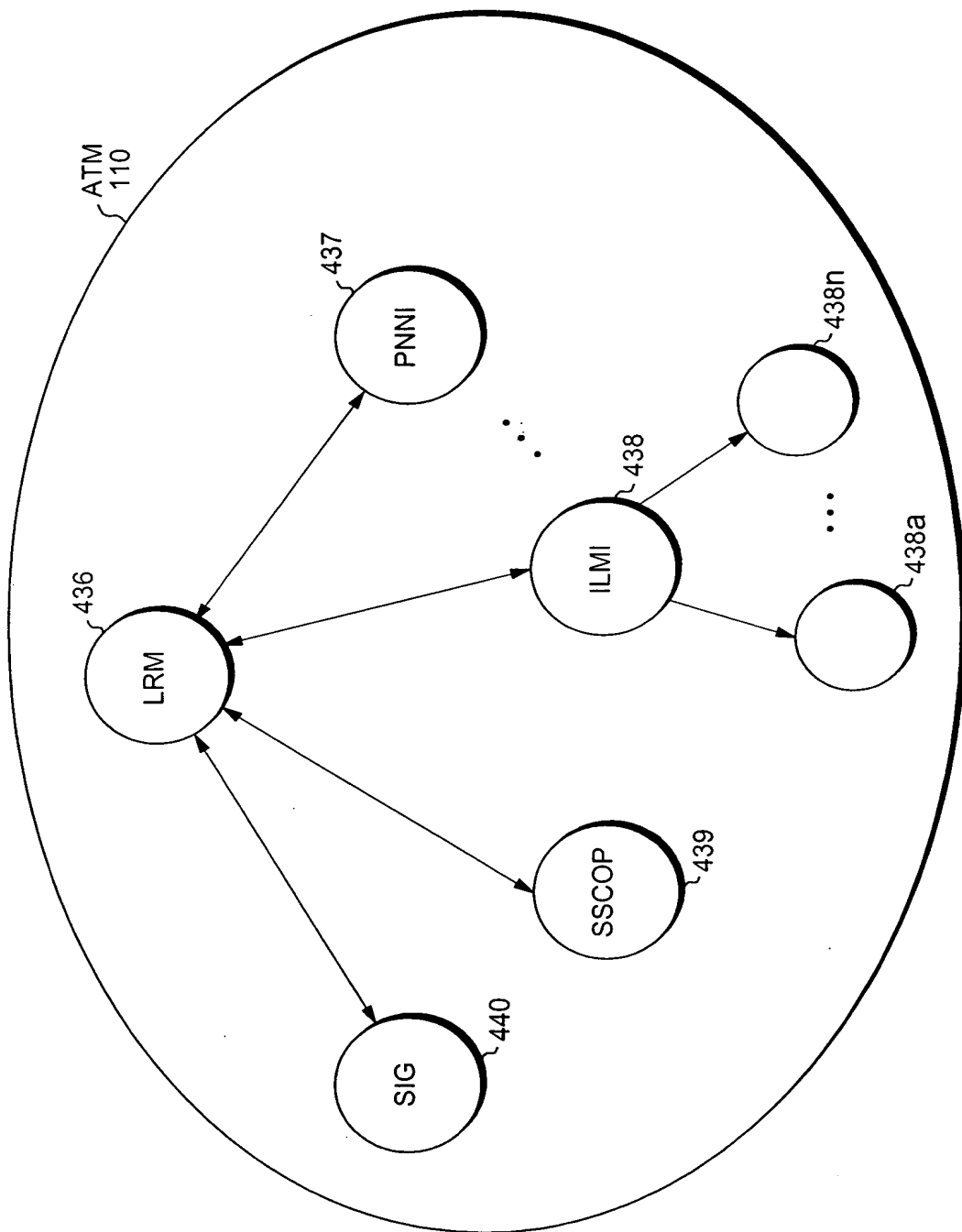


FIG. 27

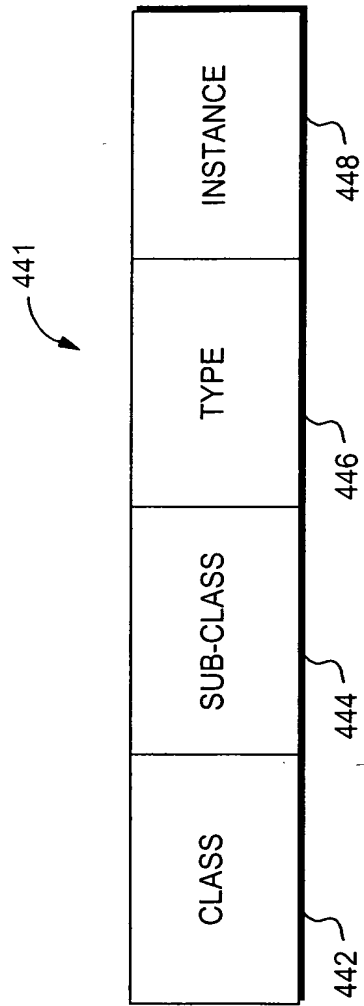


FIG. 28



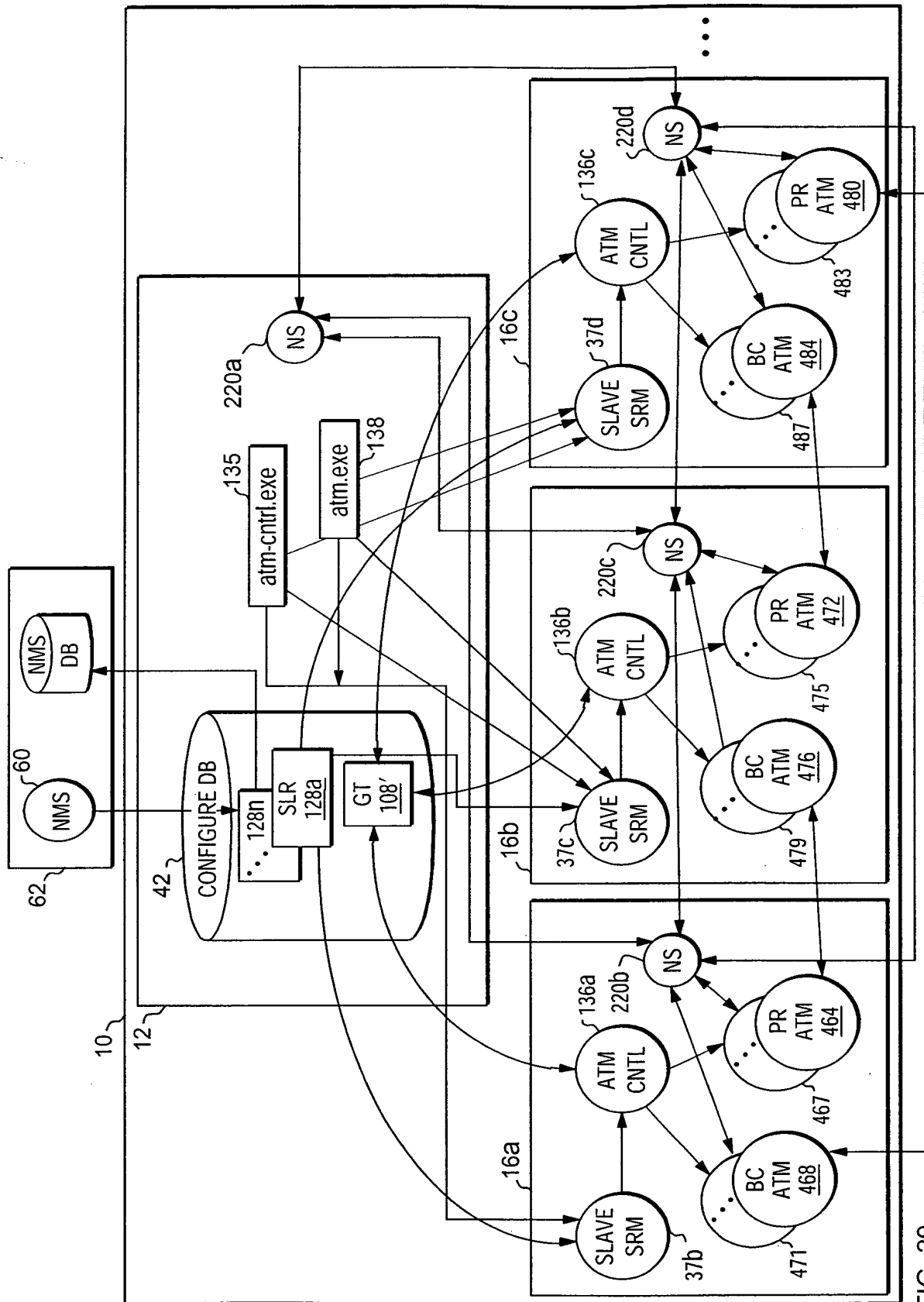


FIG. 29

GROUP TABLE 108'

|     |            | 447                 | 449                |     |
|-----|------------|---------------------|--------------------|-----|
|     | GROUP<br># | PRIMARY<br>CARD LID | BACKUP<br>CARD LID | ... |
| 450 | 1          | 30                  | 31                 |     |
| 451 | 2          | 30                  | 31                 |     |
| 452 | 3          | 30                  | 31                 |     |
| 453 | 4          | 30                  | 31                 |     |
| 454 | 5          | 31                  | 32                 |     |
| 455 | 6          | 31                  | 32                 |     |
| 456 | 7          | 31                  | 32                 |     |
| 457 | 8          | 31                  | 32                 |     |
| 458 | 9          | 32                  | 30                 |     |
| 459 | 10         | 32                  | 30                 |     |
| 460 | 11         | 32                  | 30                 |     |
| 461 | 12         | 32                  | 30                 |     |
|     | ⋮          | ⋮                   | ⋮                  | ⋮   |

FIG. 30

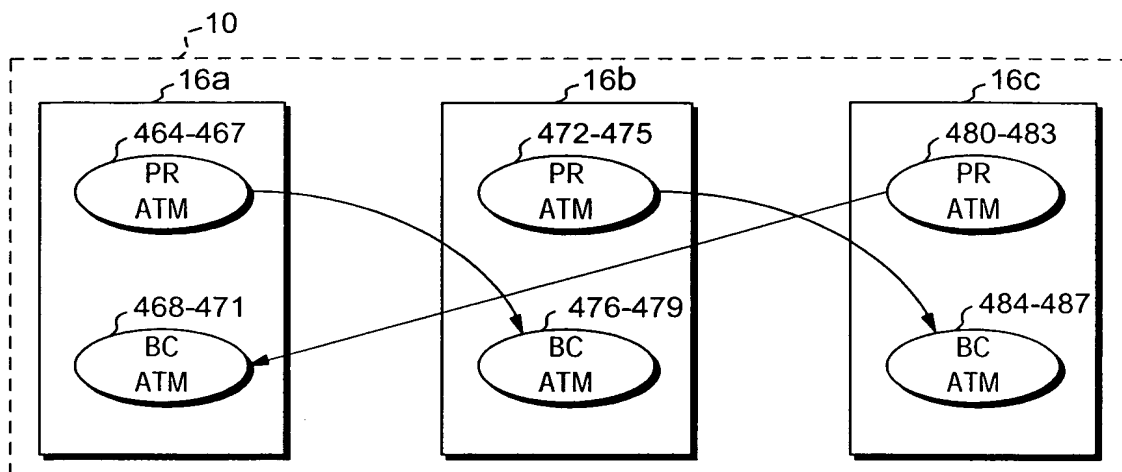


FIG. 31A

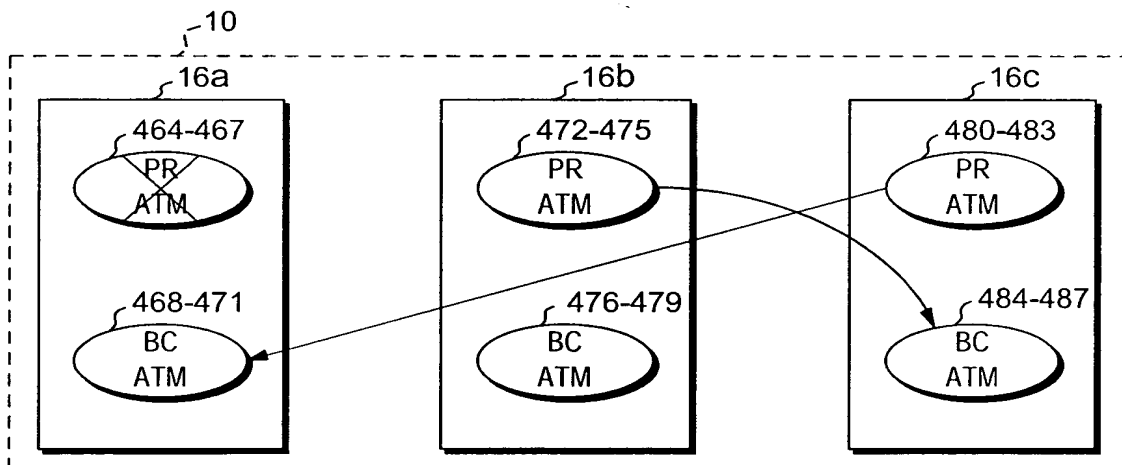


FIG. 31B

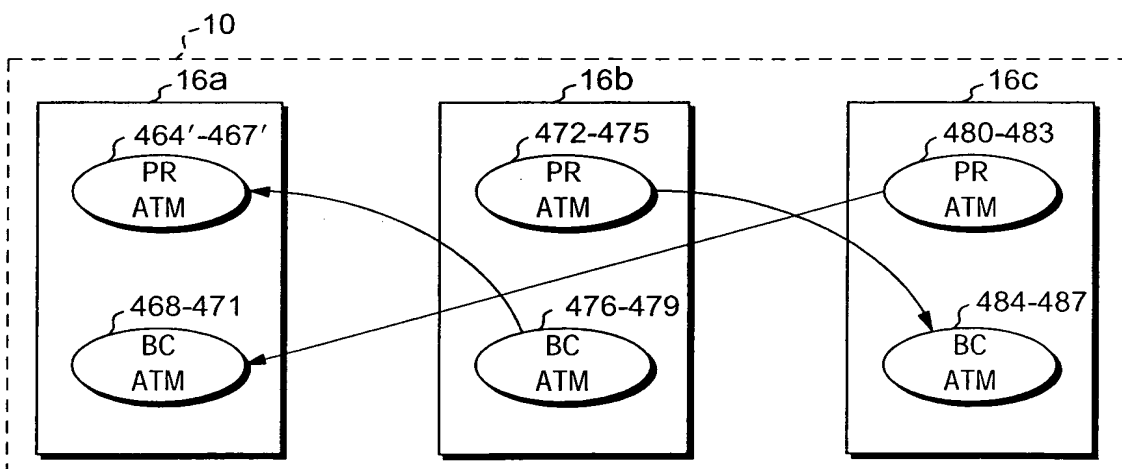


FIG. 31C

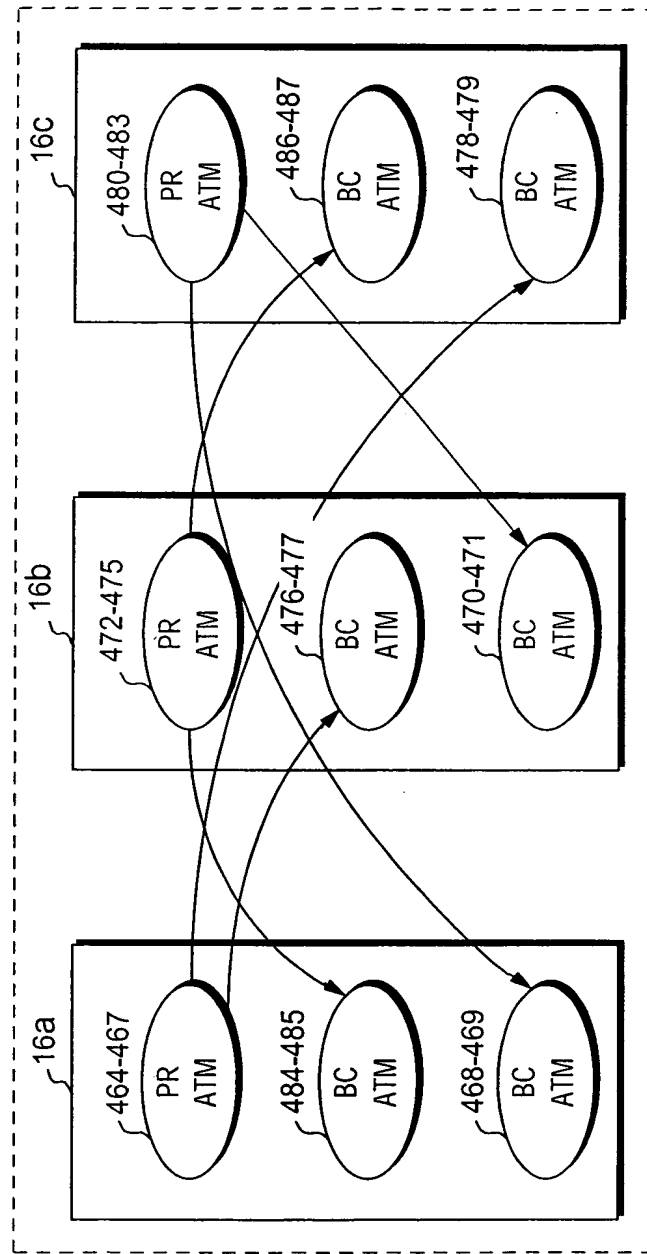


FIG. 32A

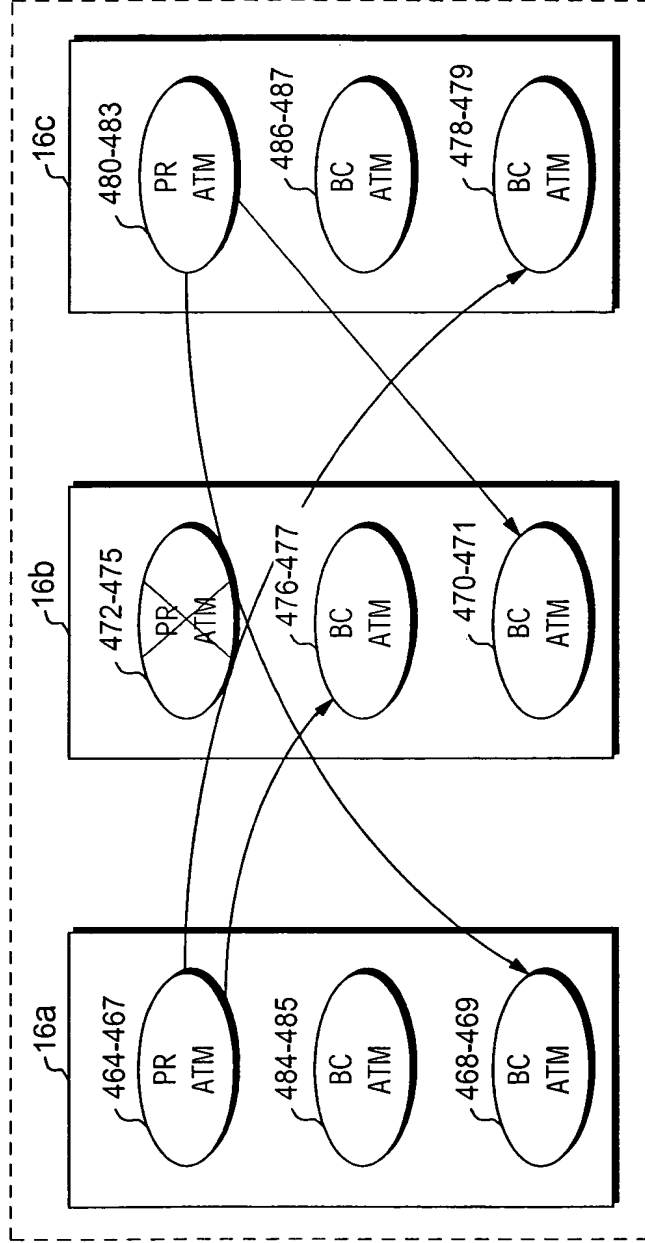


FIG. 32B

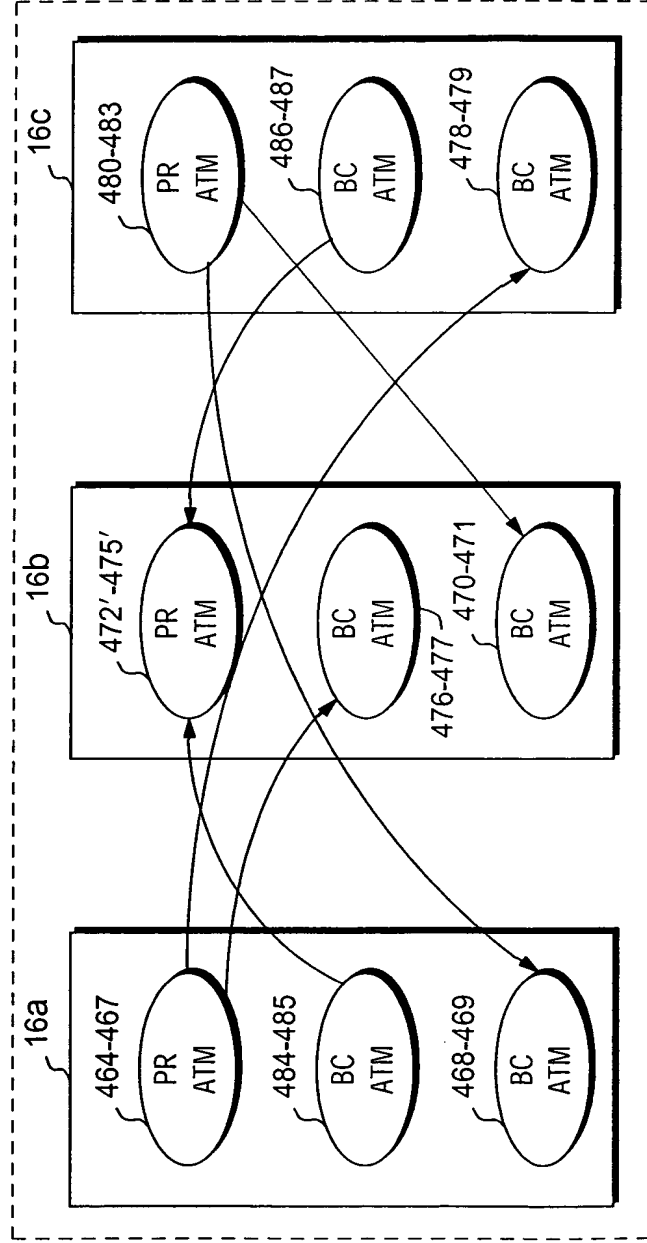


FIG. 32C

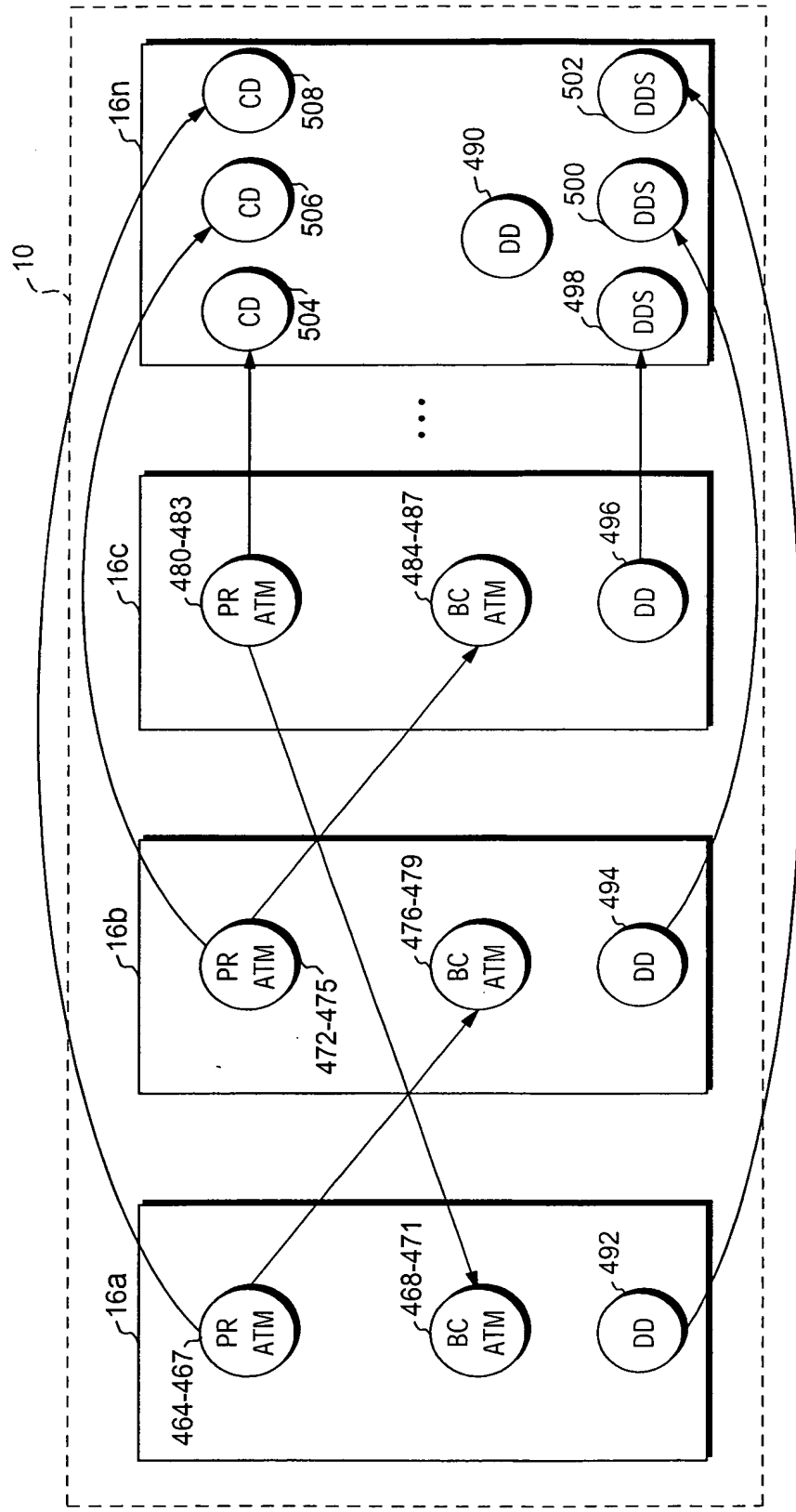


FIG. 33A

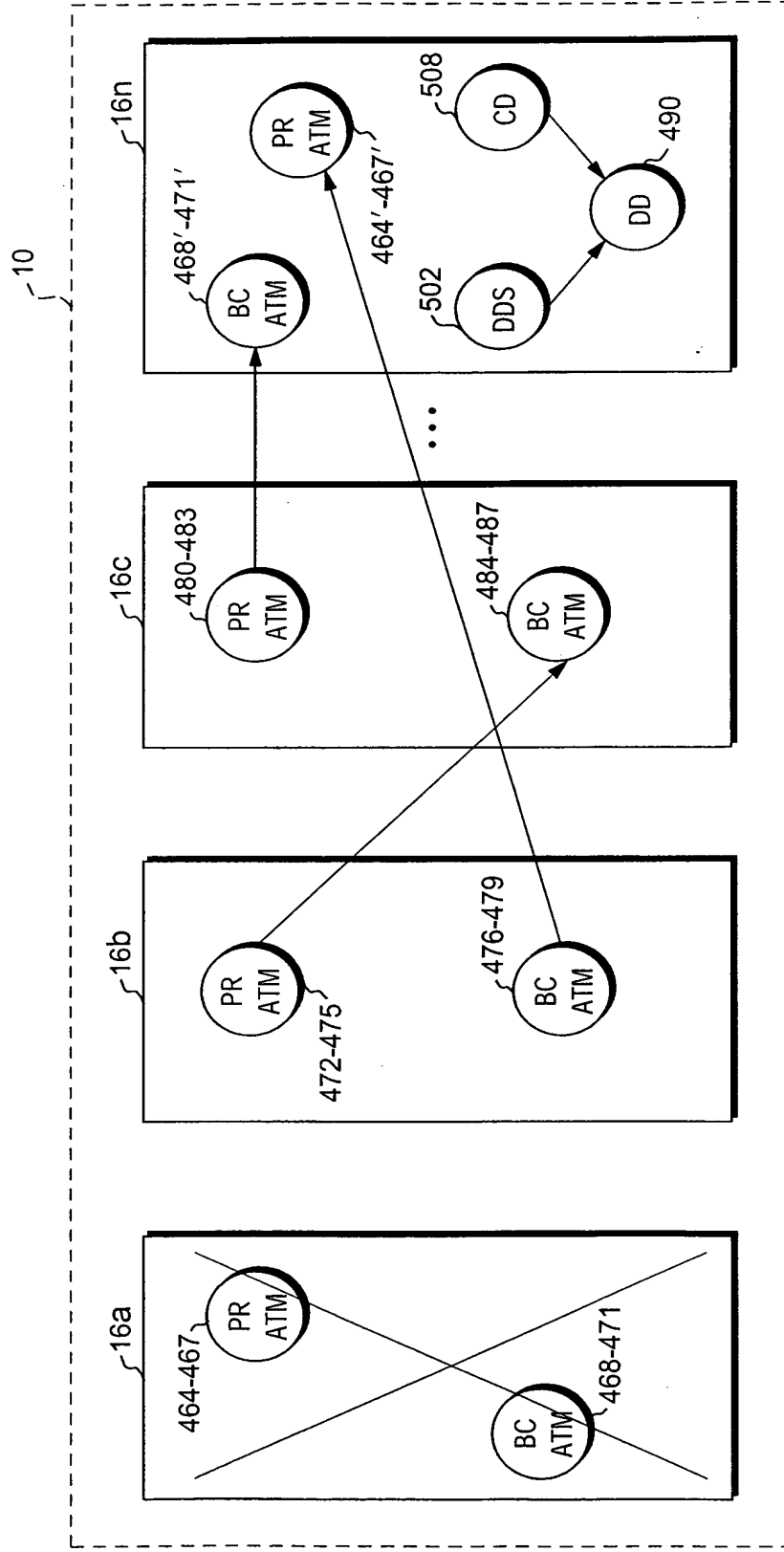


FIG. 33B



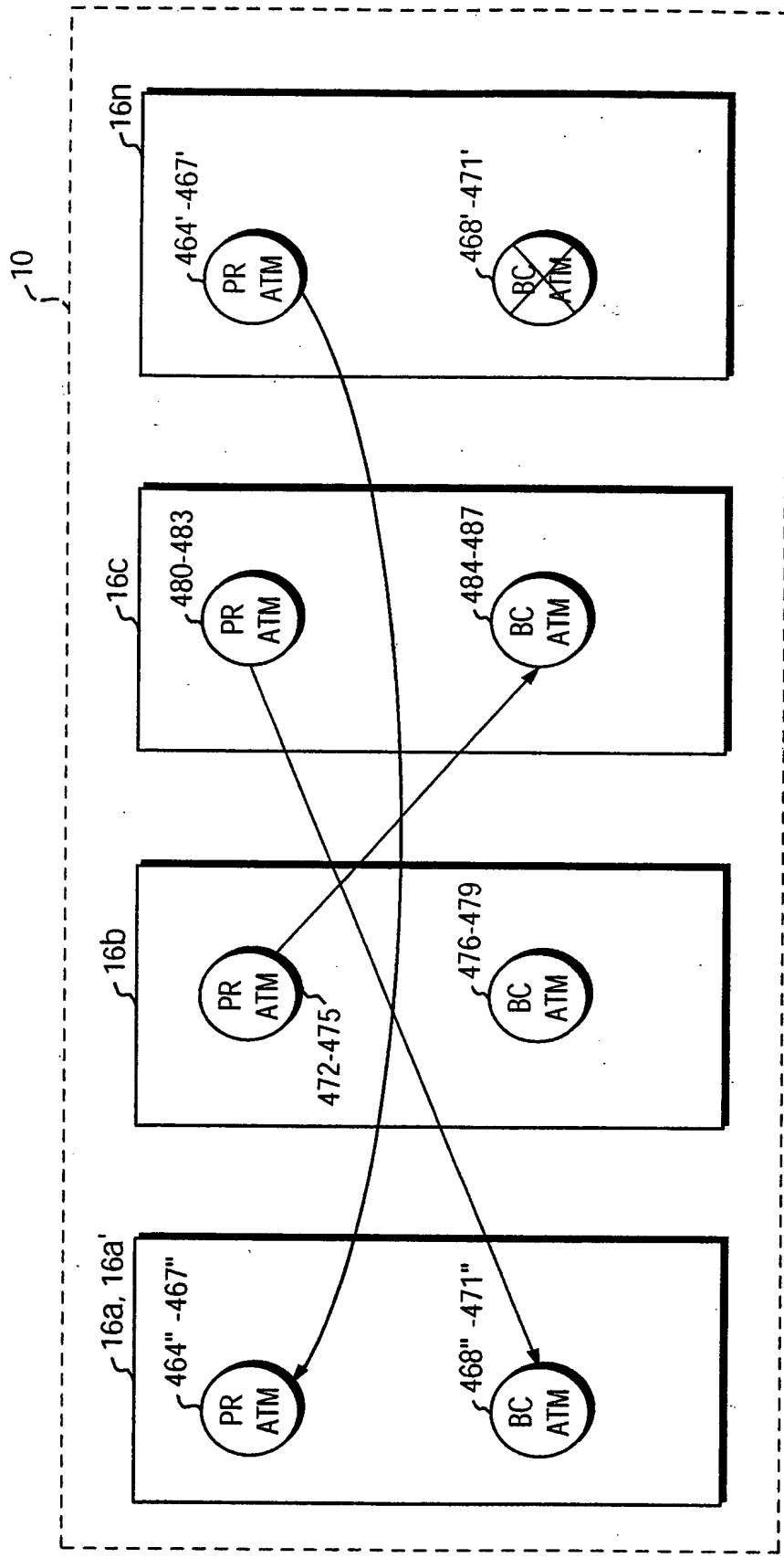


FIG. 33C

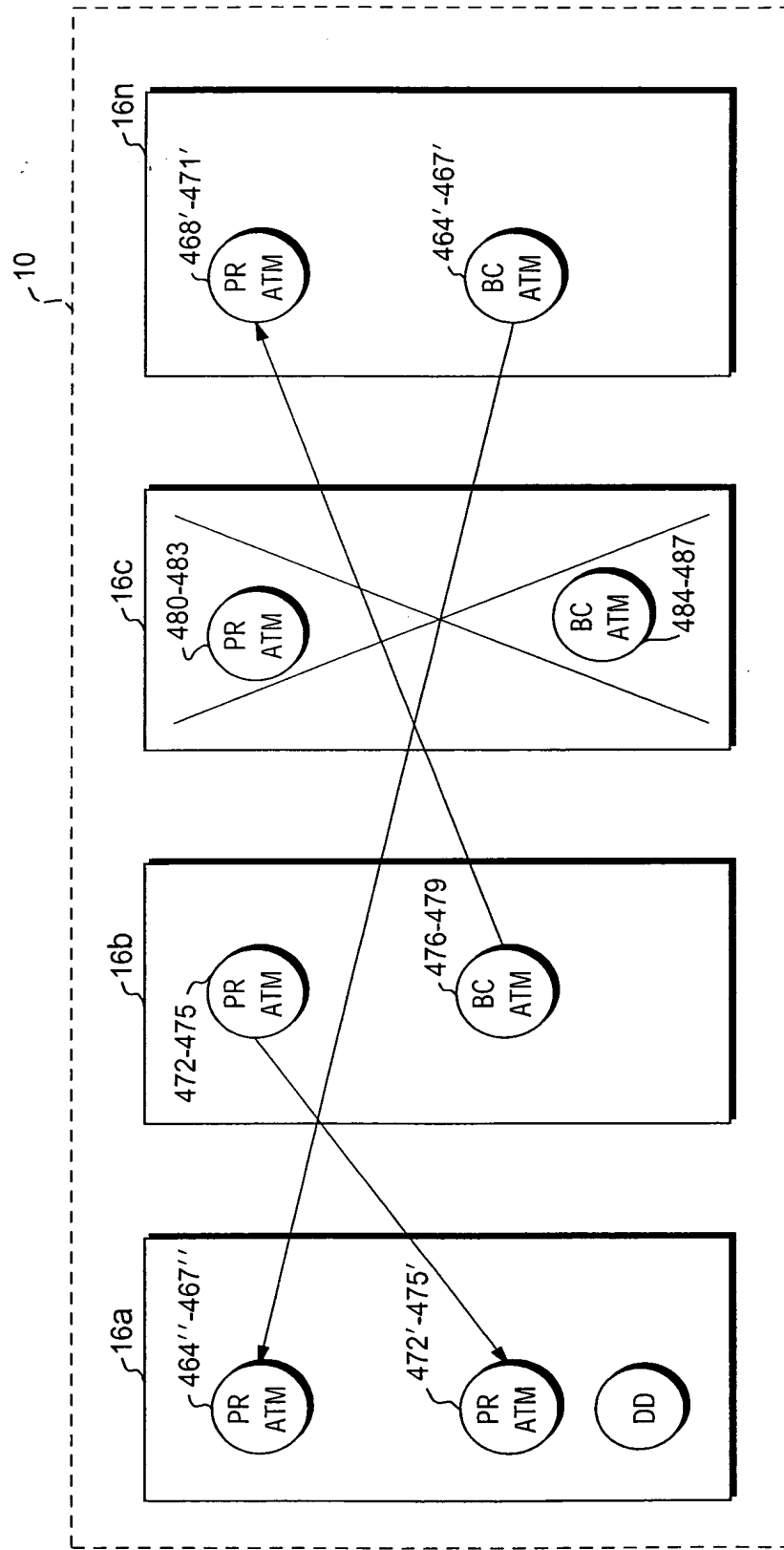


FIG. 33D

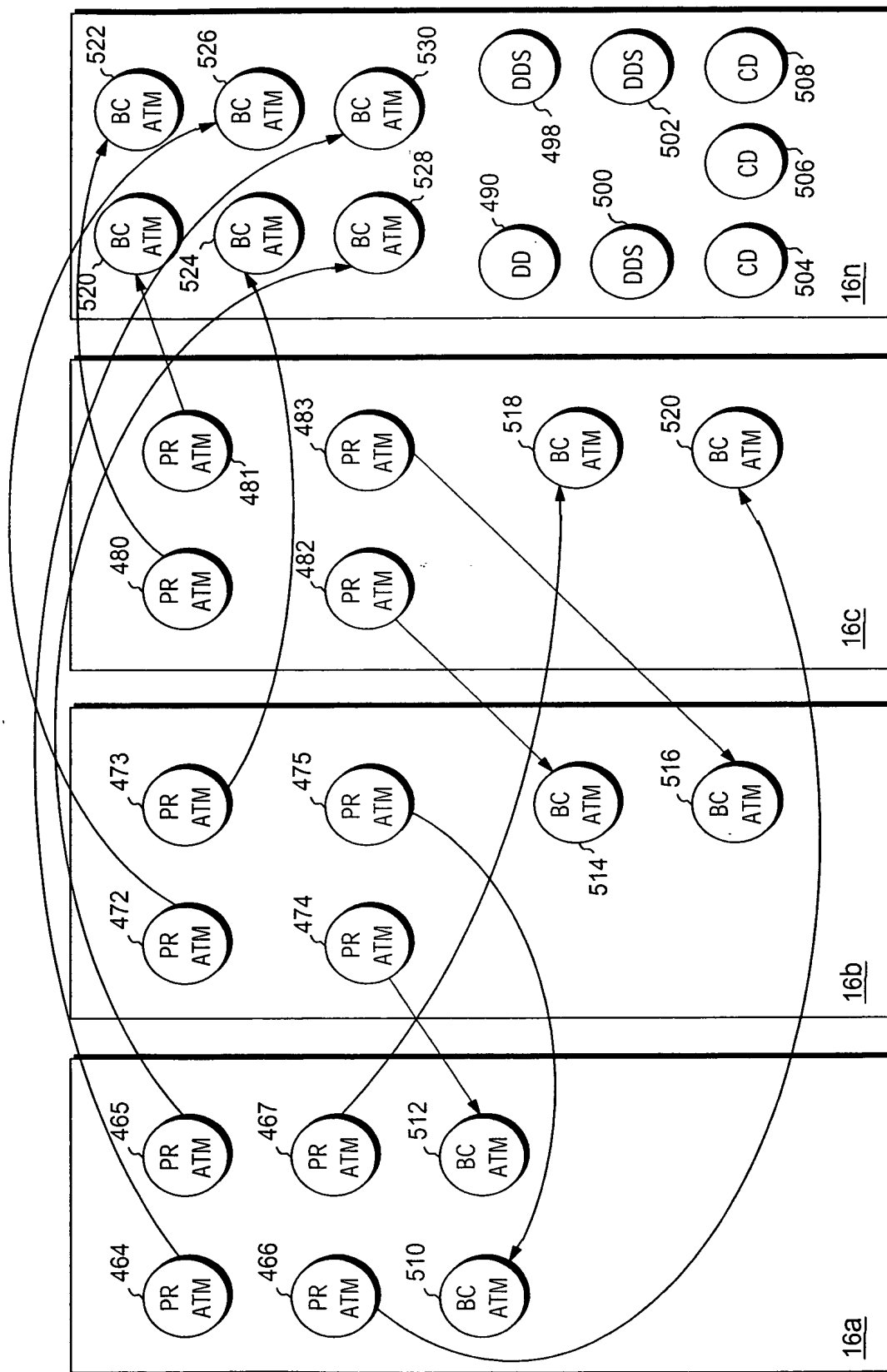


FIG. 34A

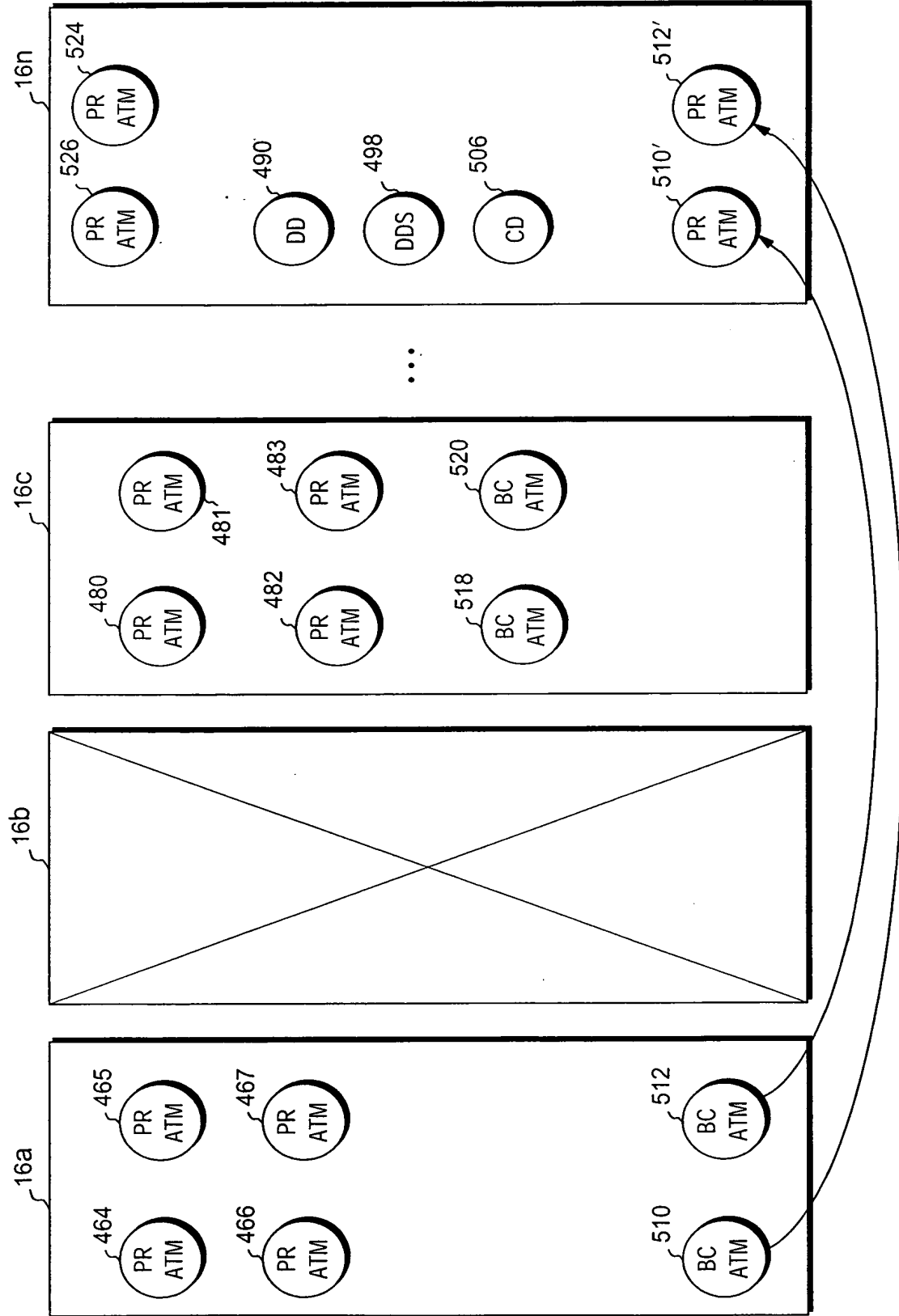


FIG. 34B

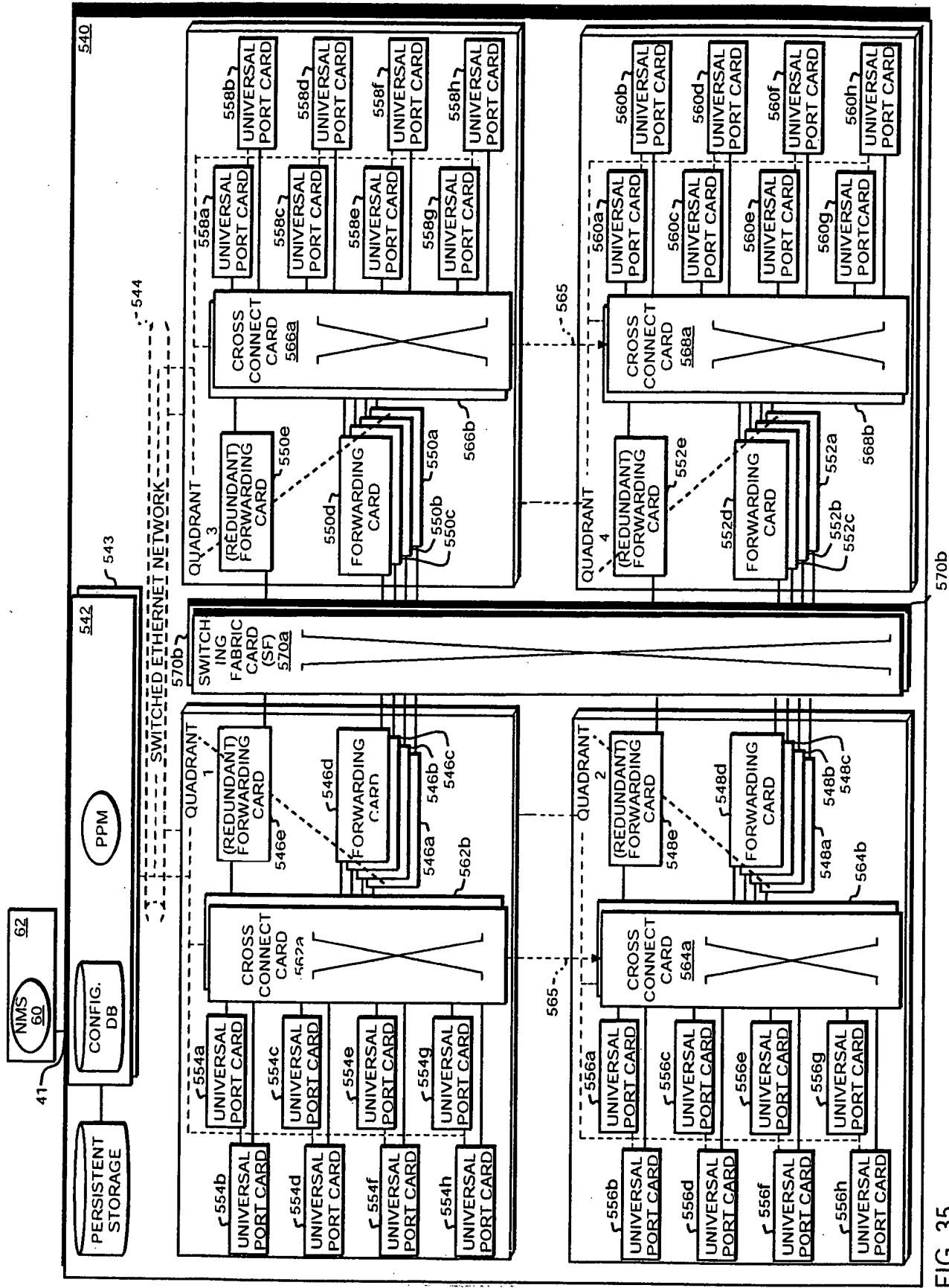


FIG. 35

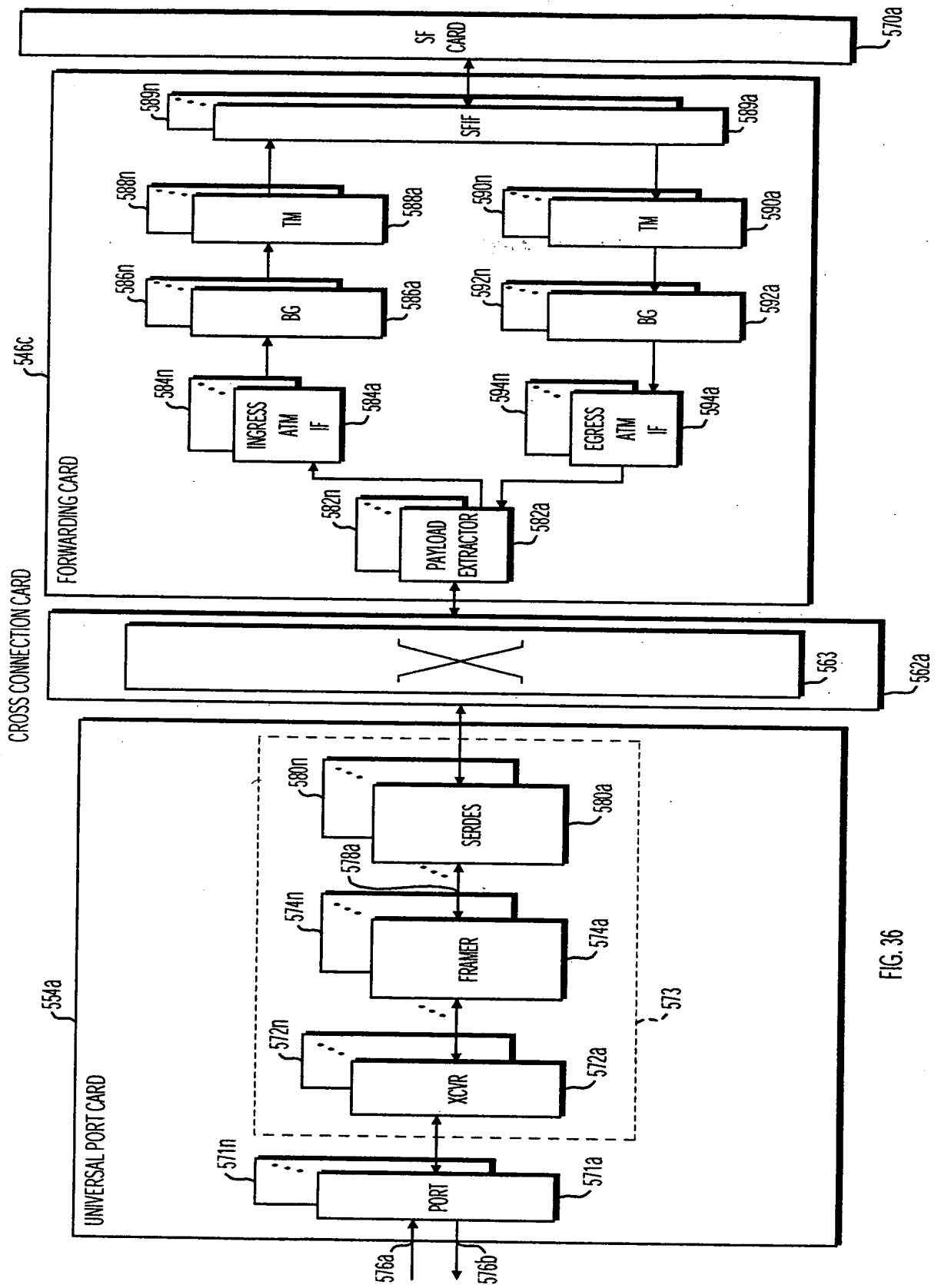


FIG. 36

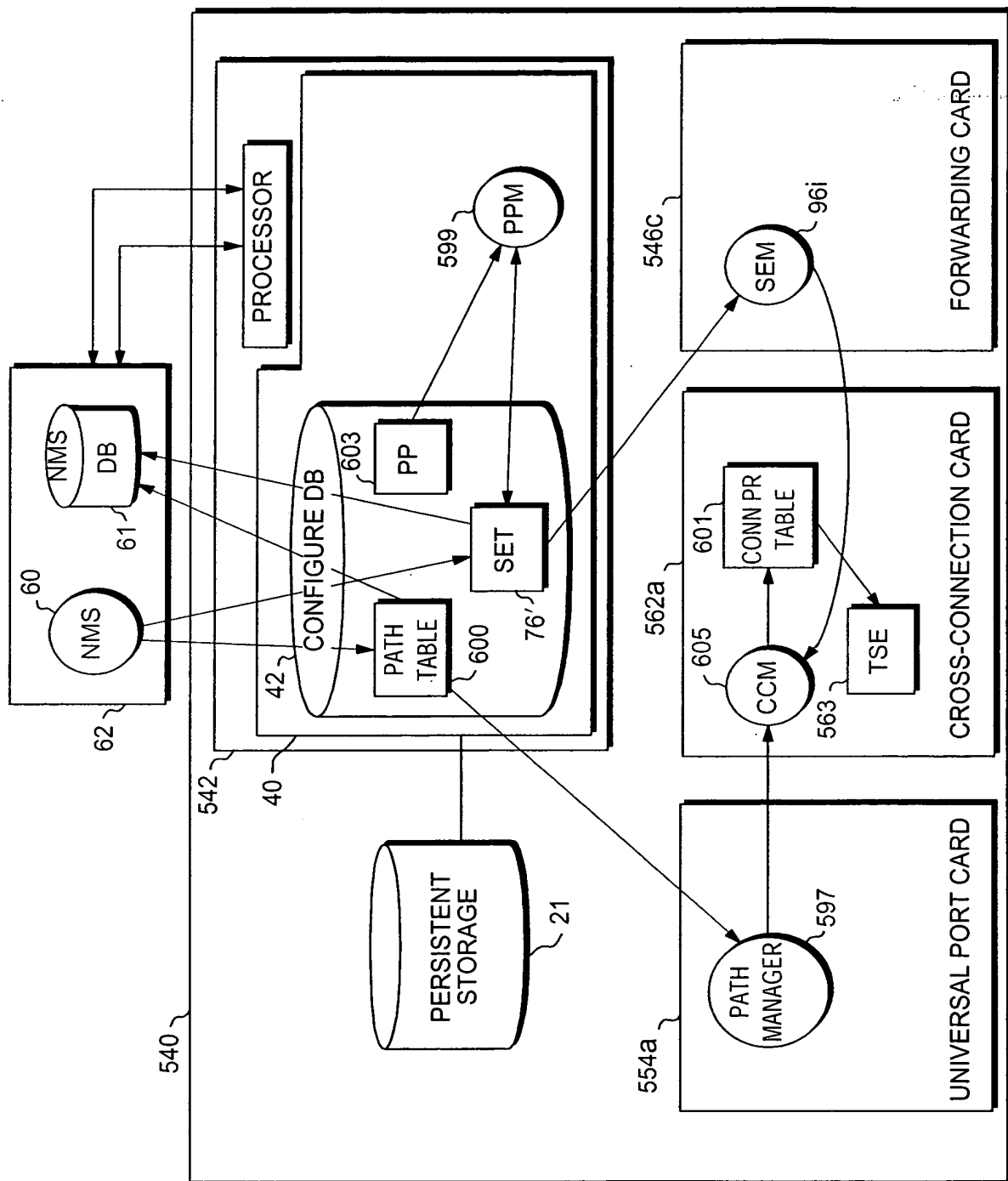


FIG. 37

PATH TABLE 600

602

| PATH<br>LID | UP PORT<br>LID | TIME<br>SLOT | # OF TIME<br>SLOTS | ... |
|-------------|----------------|--------------|--------------------|-----|
| 1666        | 1231           | 4            | 3                  |     |
| ⋮           | ⋮              | ⋮            | ⋮                  | ⋮   |

FIG. 38



SERVICE END POINT TABLE 76'

| 604 | 606     |        | 608       |             | 610                |             |
|-----|---------|--------|-----------|-------------|--------------------|-------------|
|     | SE<br># | Q<br># | FC<br>LID | FC<br>SLICE | FC<br>TIME<br>SLOT | PATH<br>PID |
|     | 878     | 1      |           |             |                    | 1666        |
|     | ⋮       | ⋮      | ⋮         | ⋮           | ⋮                  | ⋮           |

FIG. 39

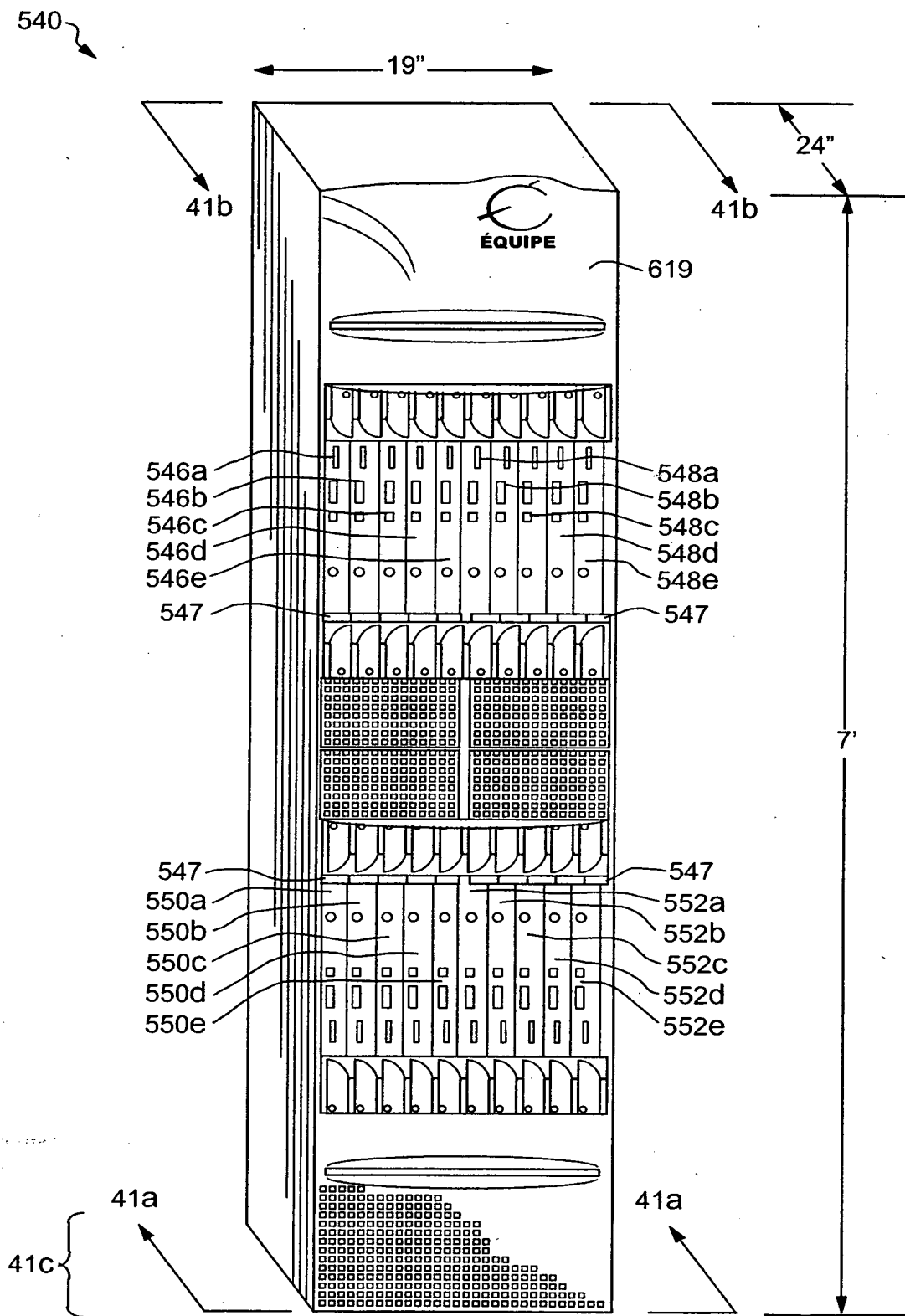


FIG. 40

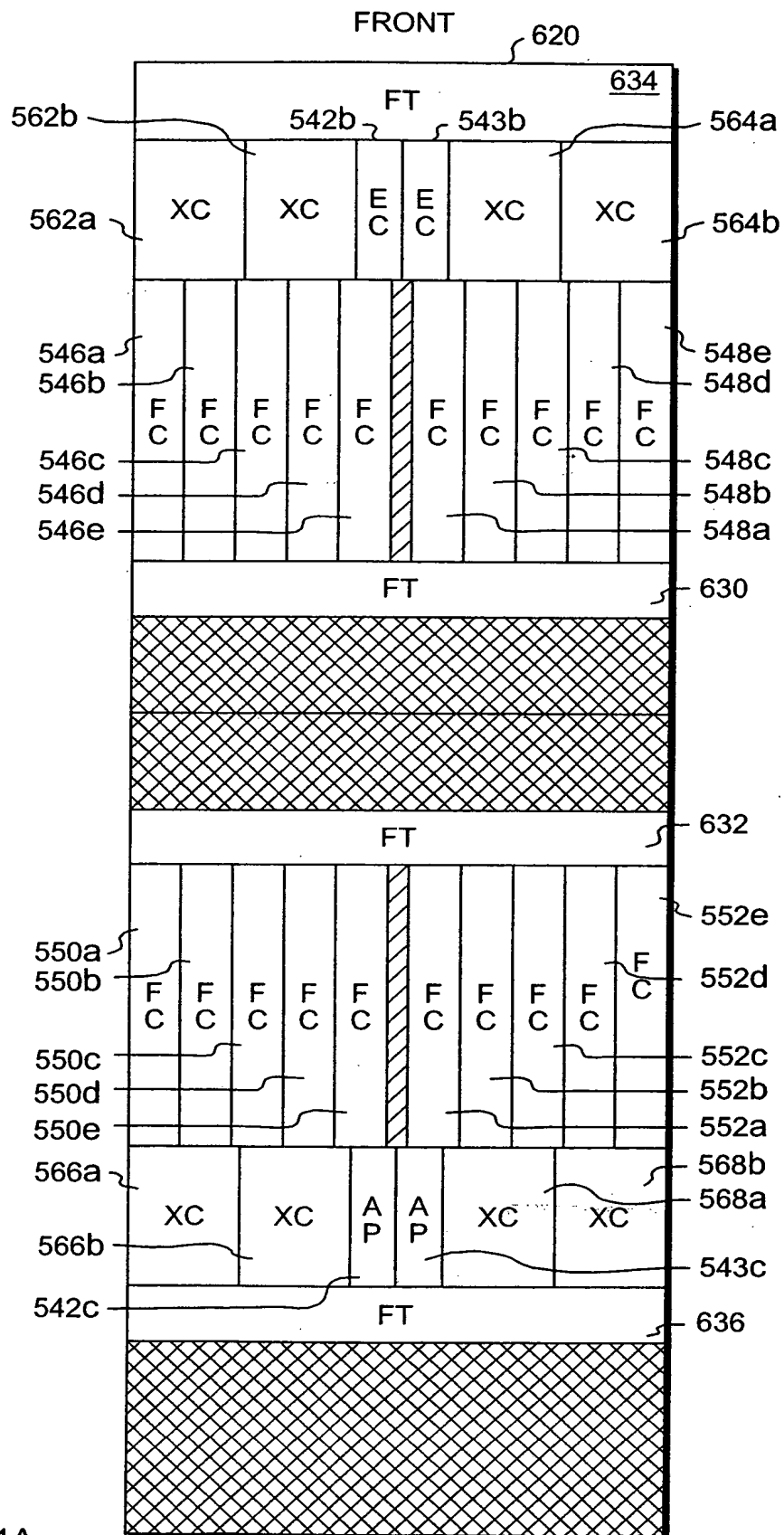


FIG. 41A

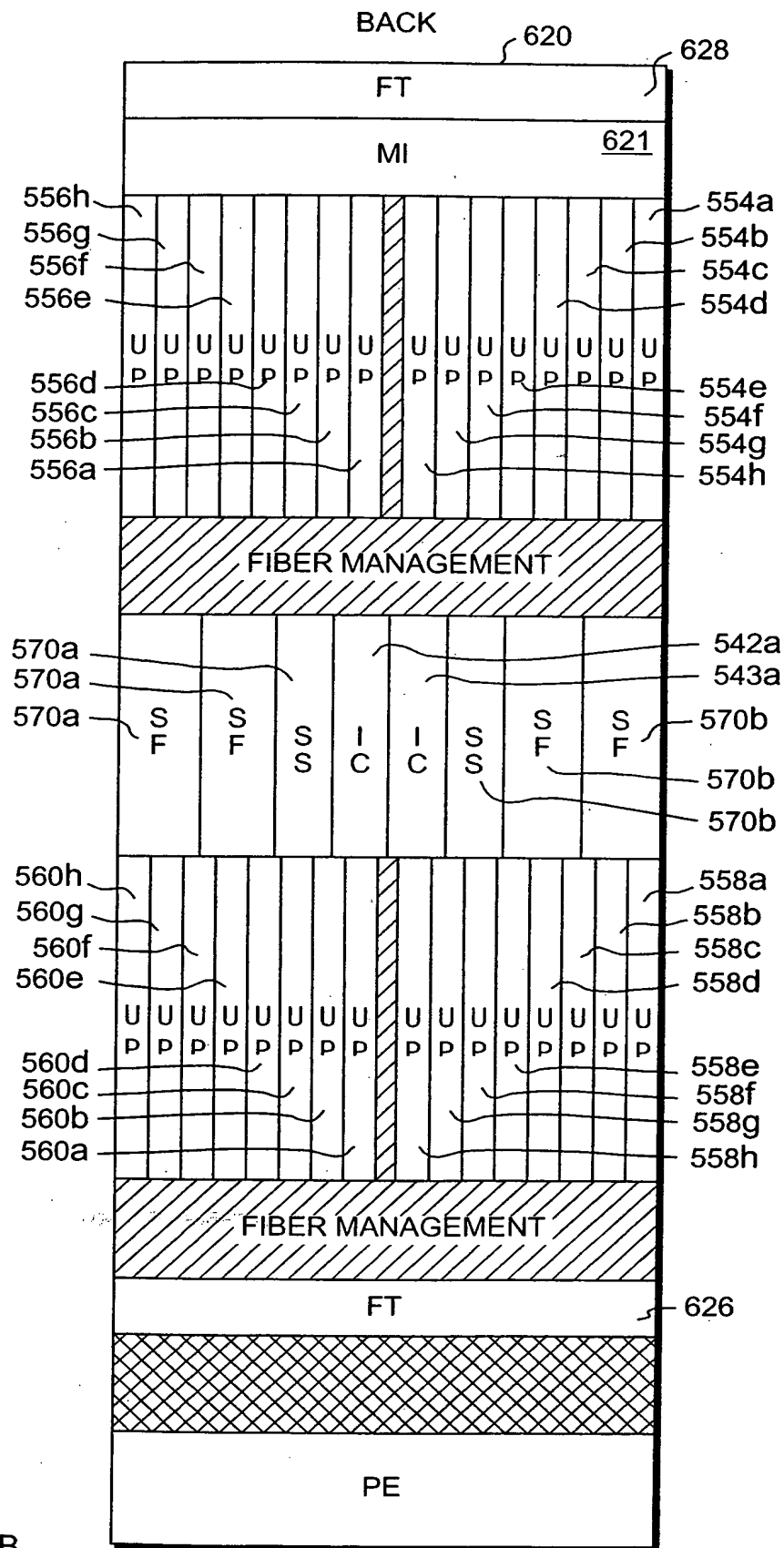


FIG. 41B

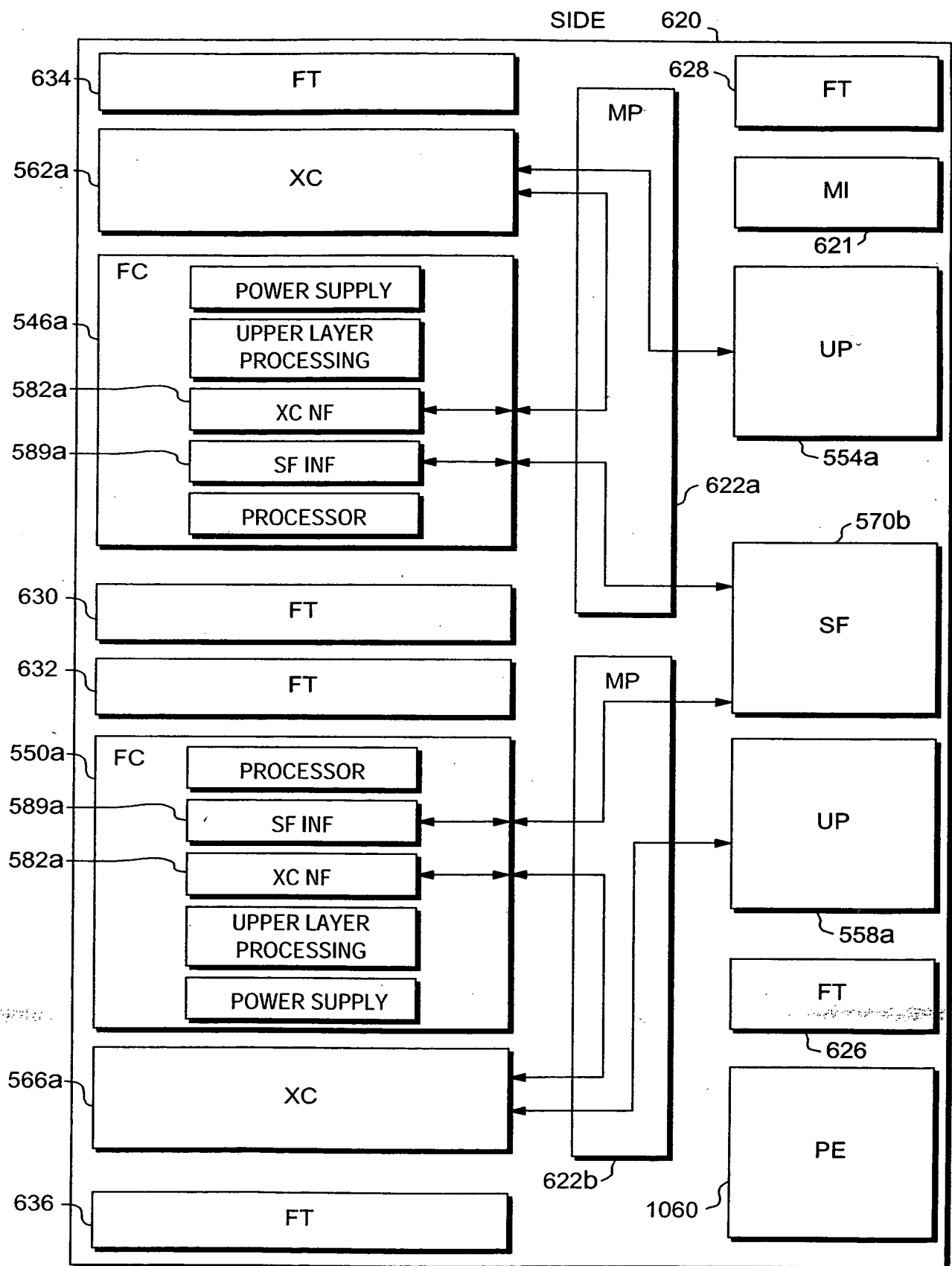


FIG. 41C

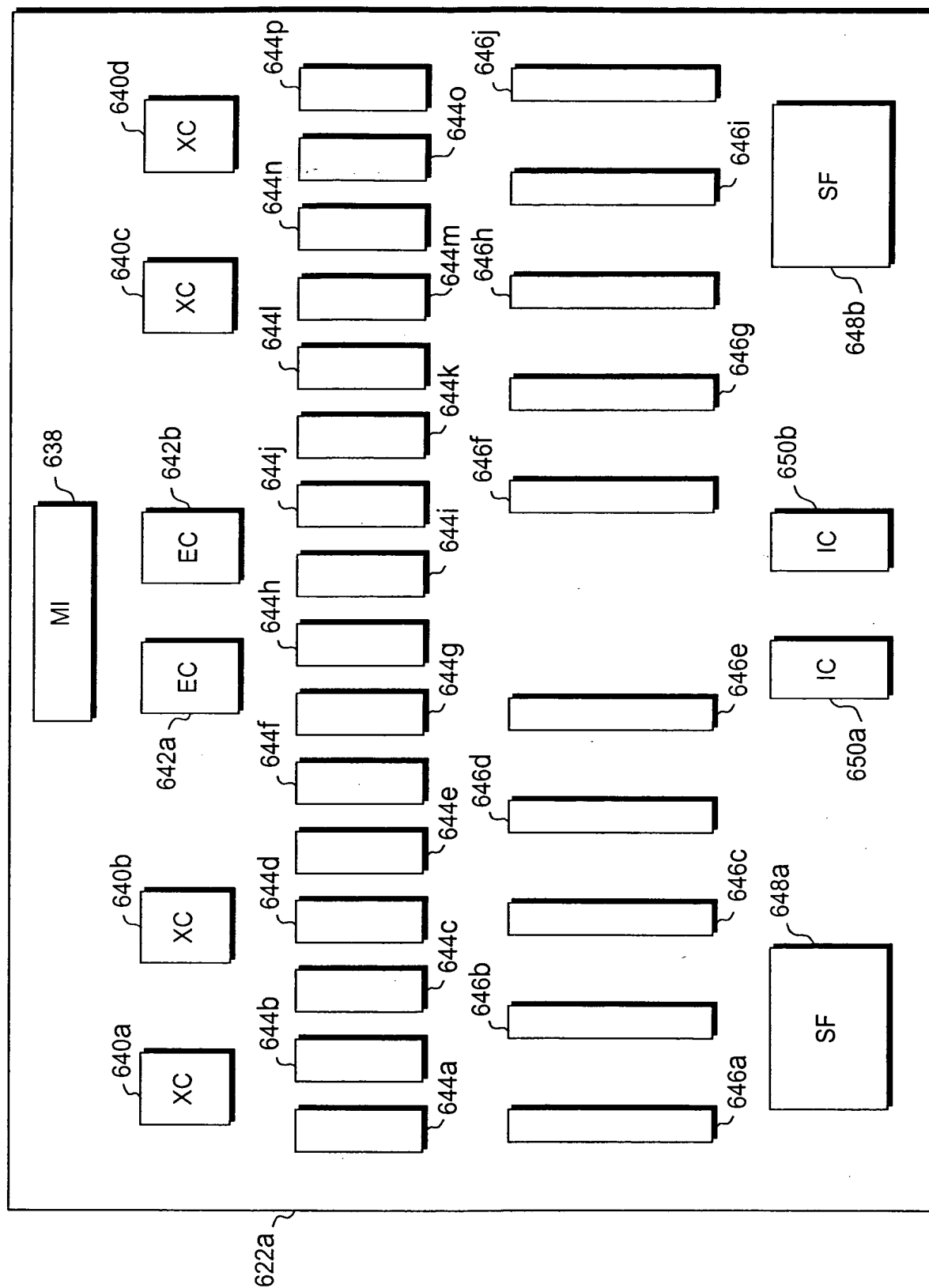


FIG. 42A

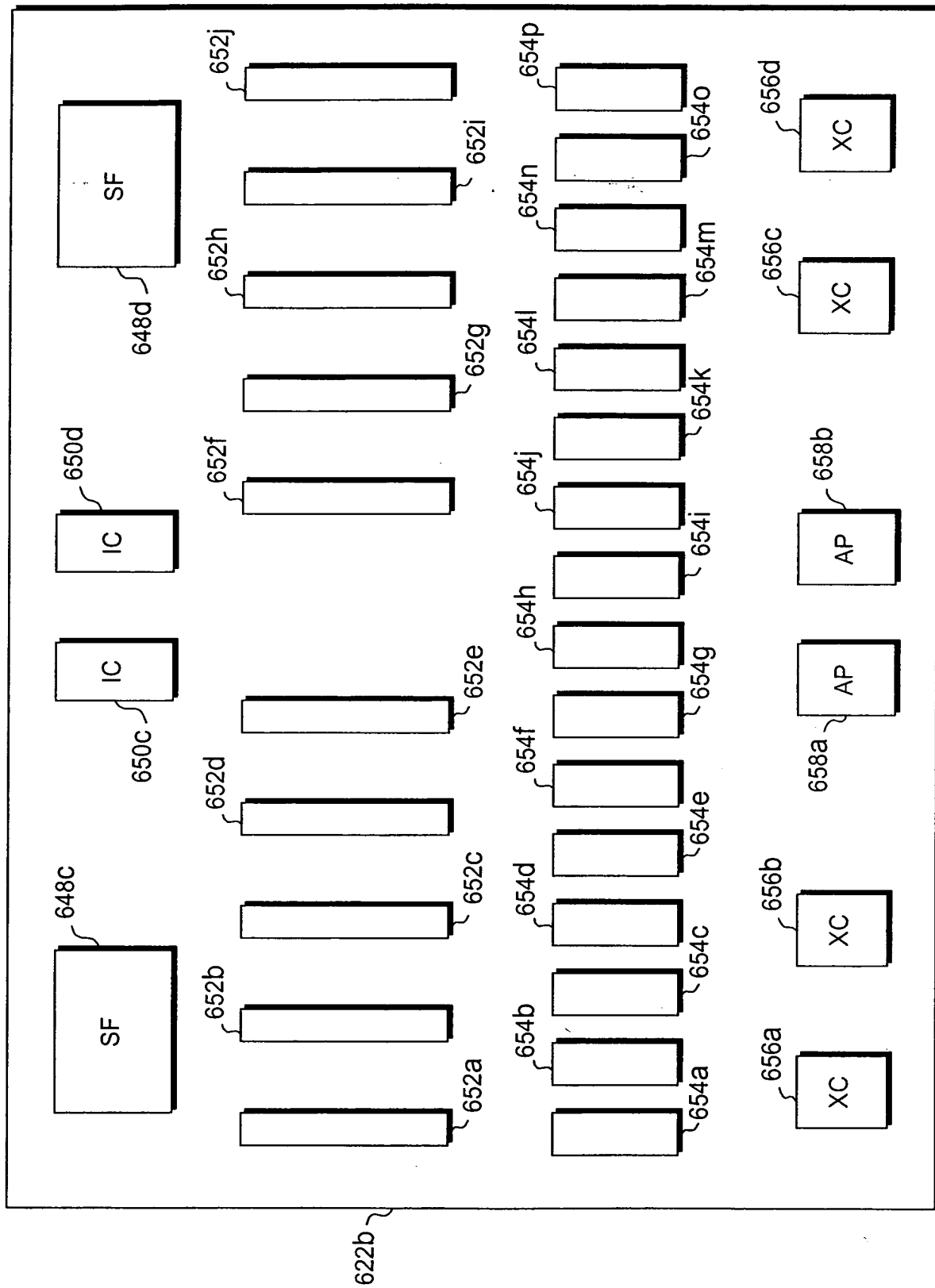


FIG. 42B

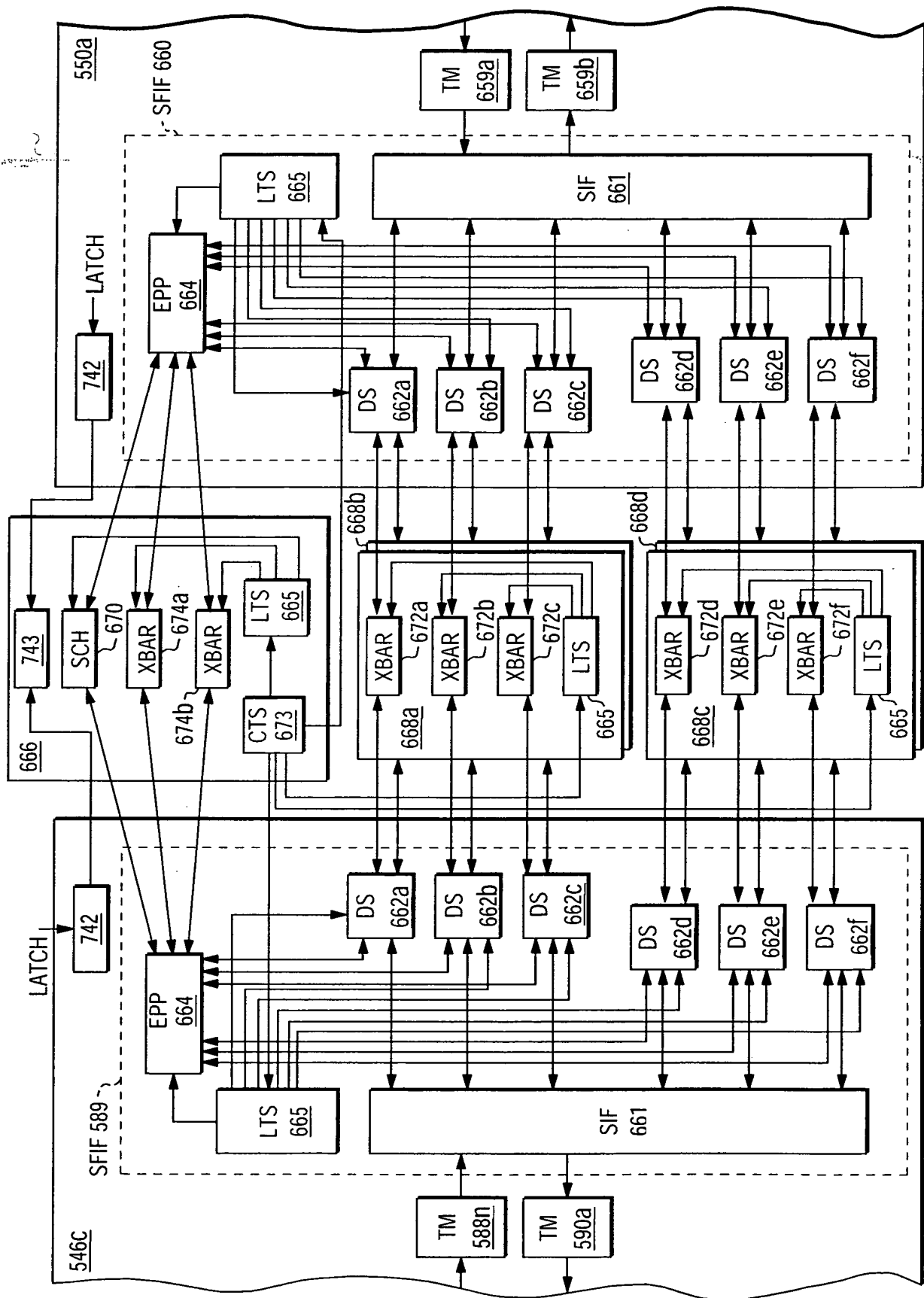


FIG. 43



540

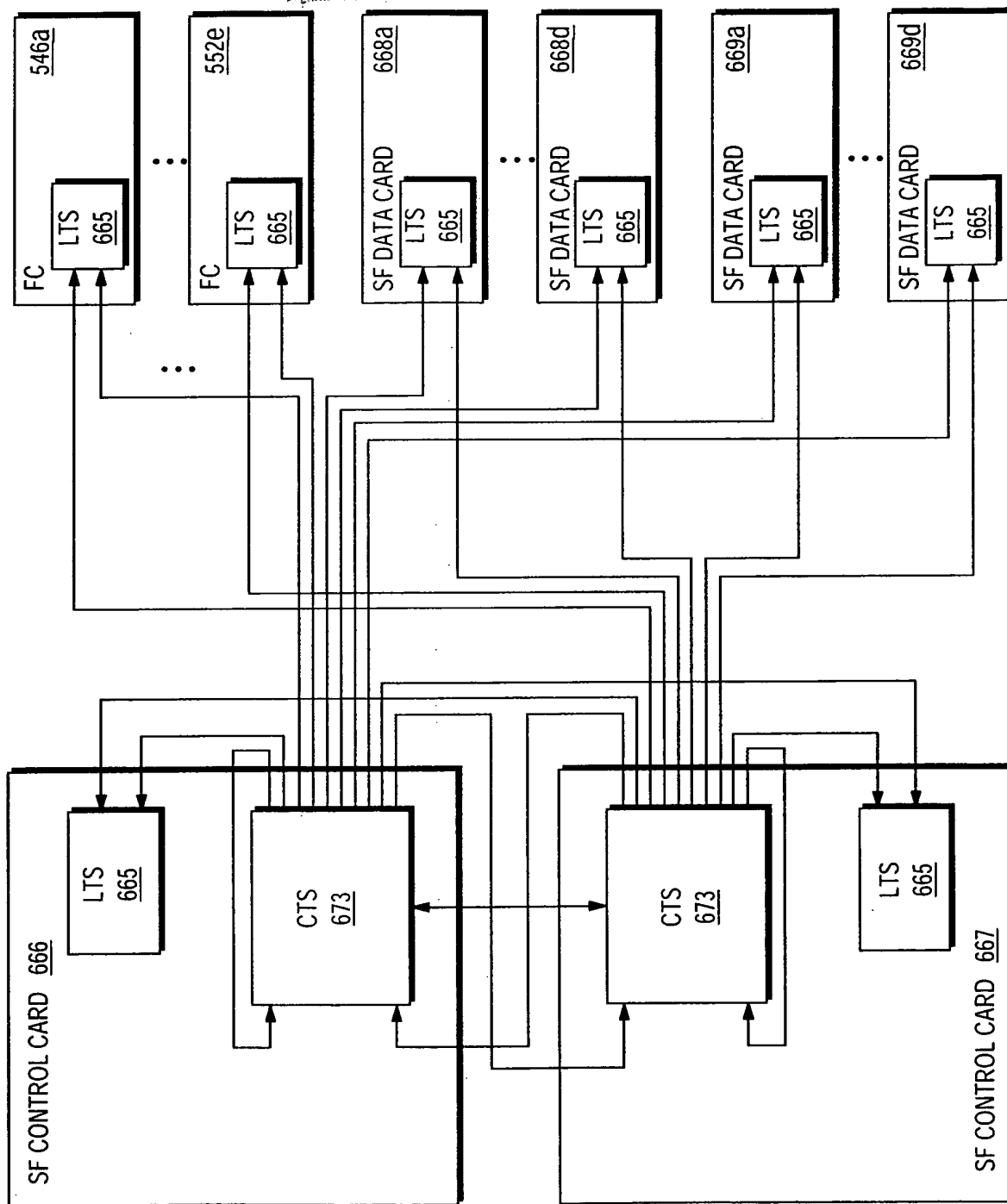
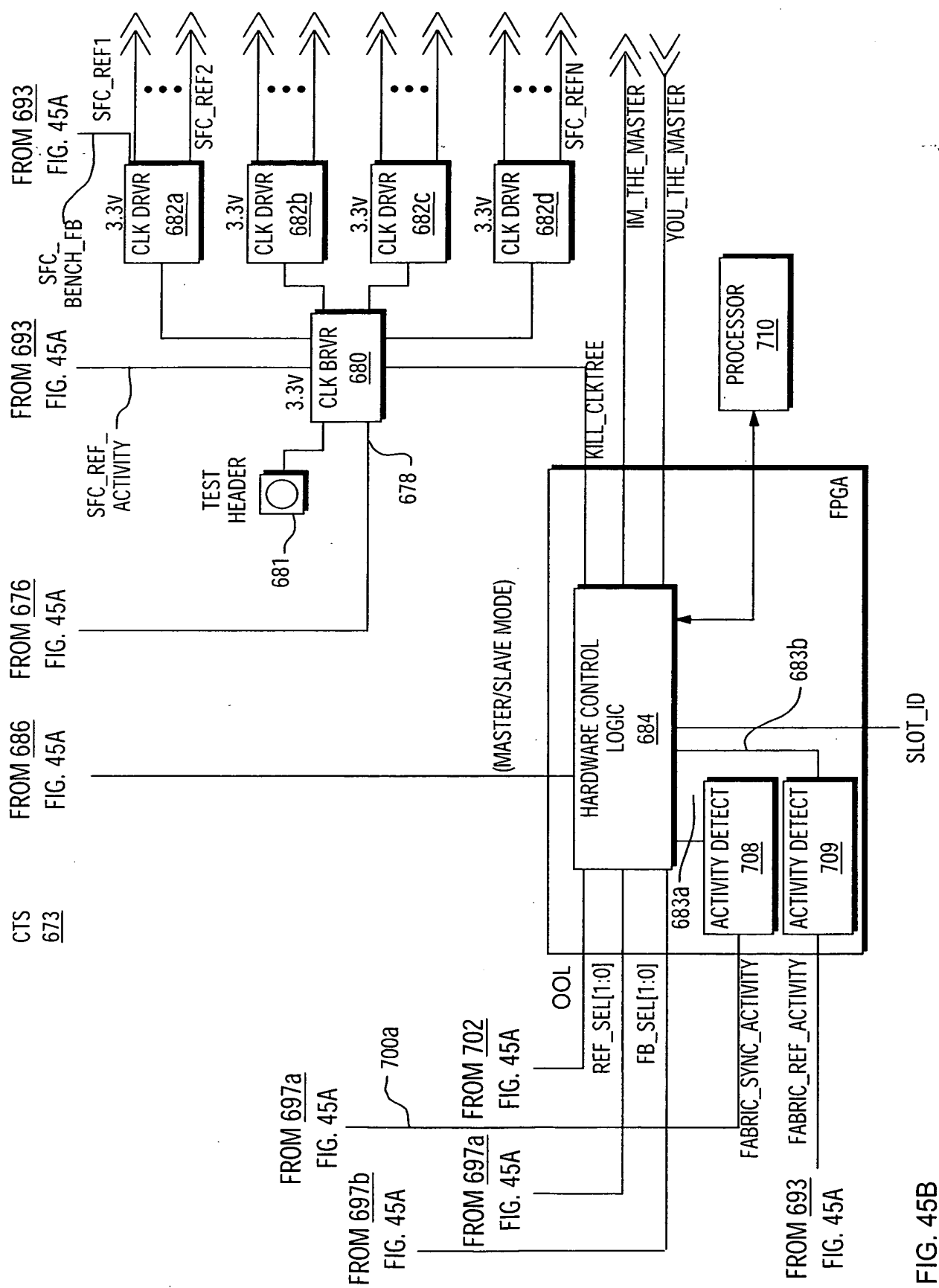


FIG. 44





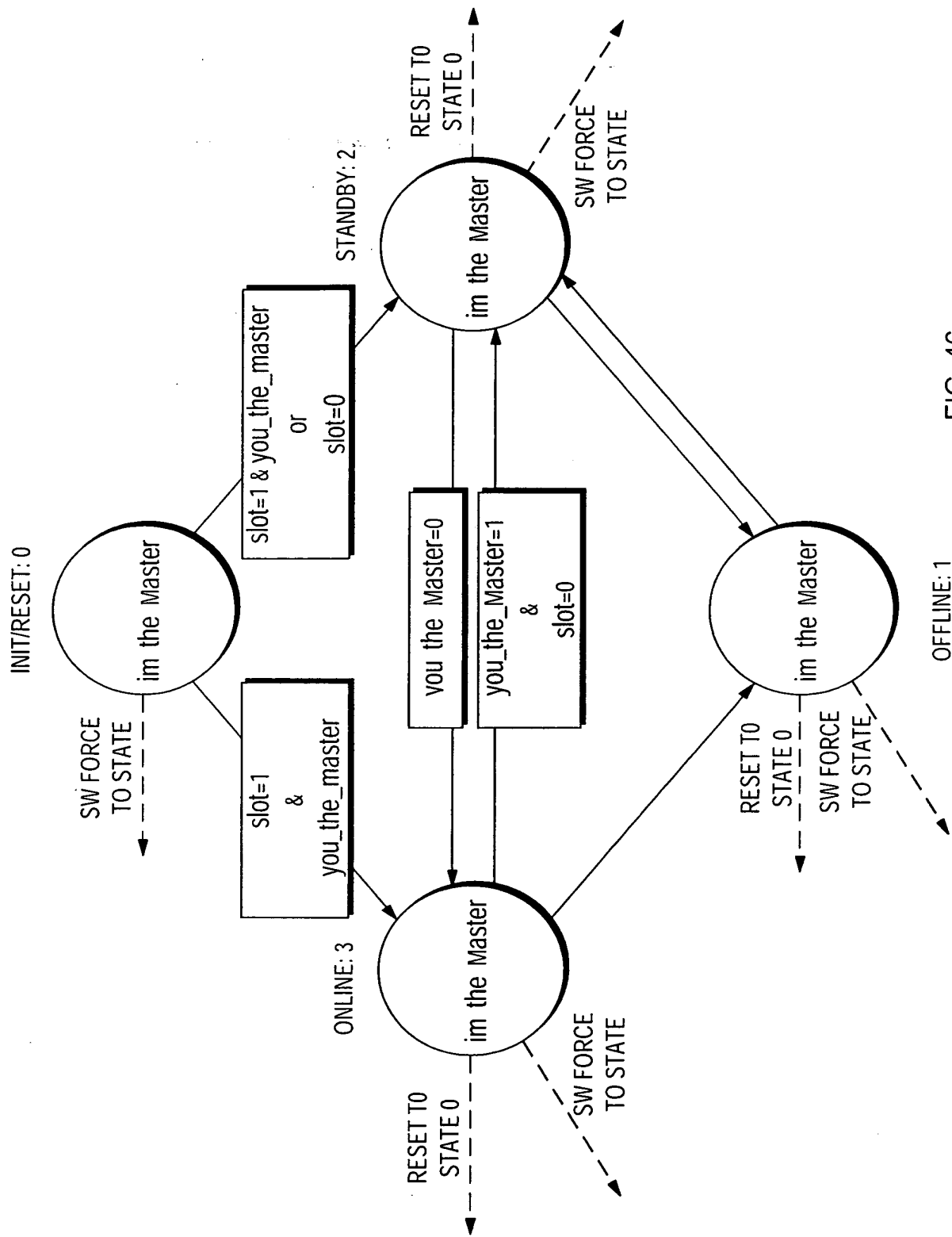


FIG. 46

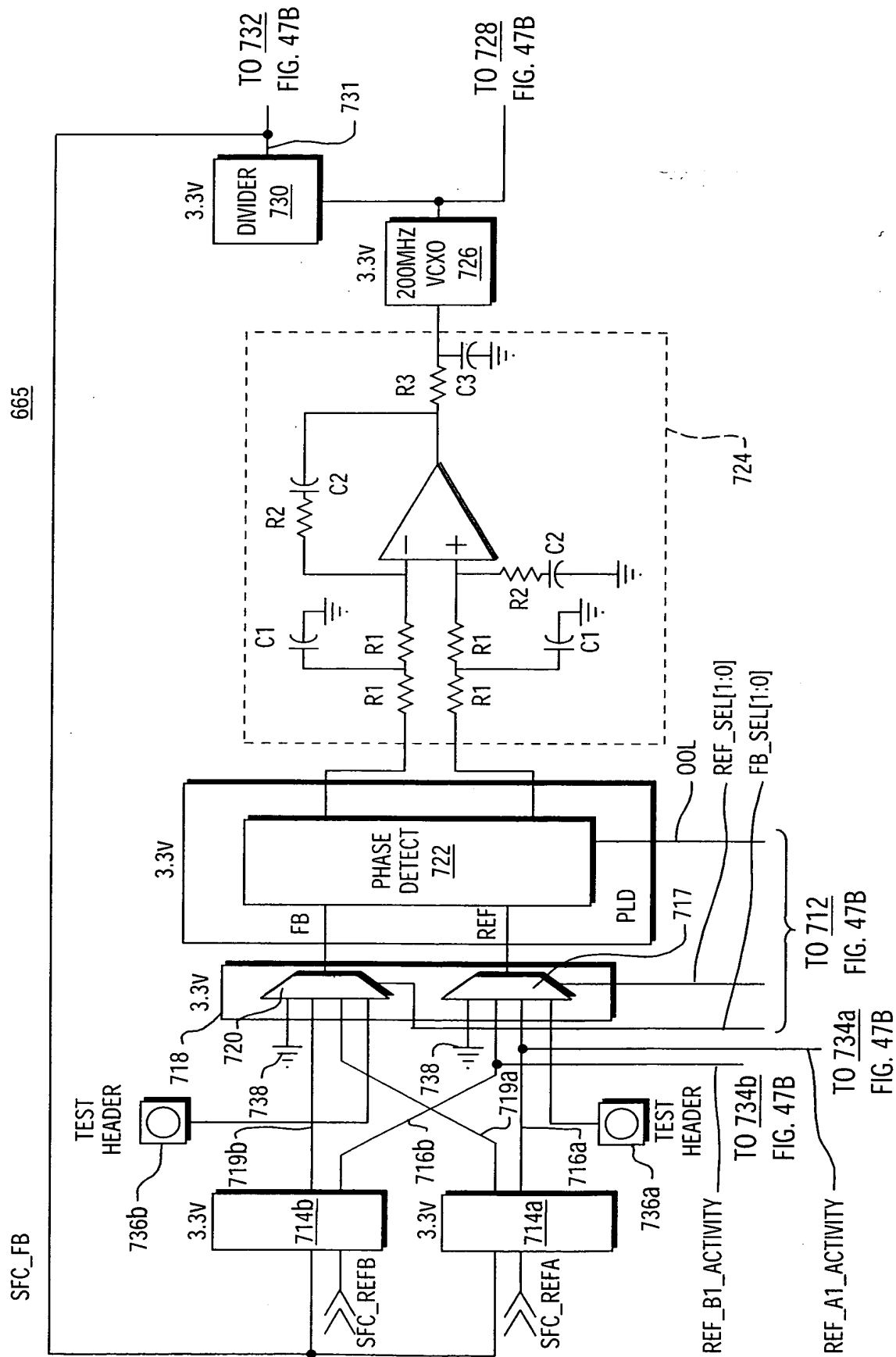


FIG. 47A

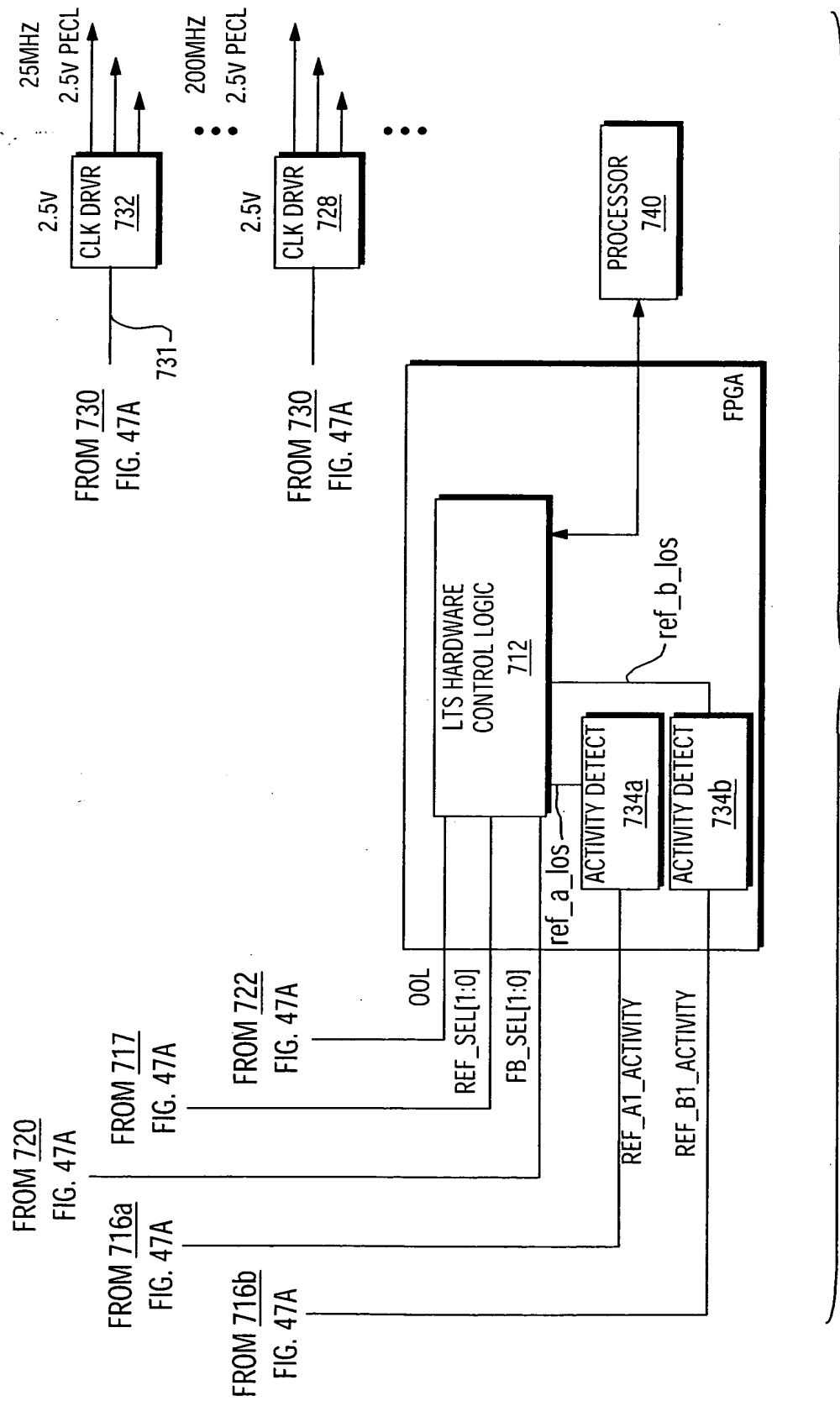


FIG. 47B

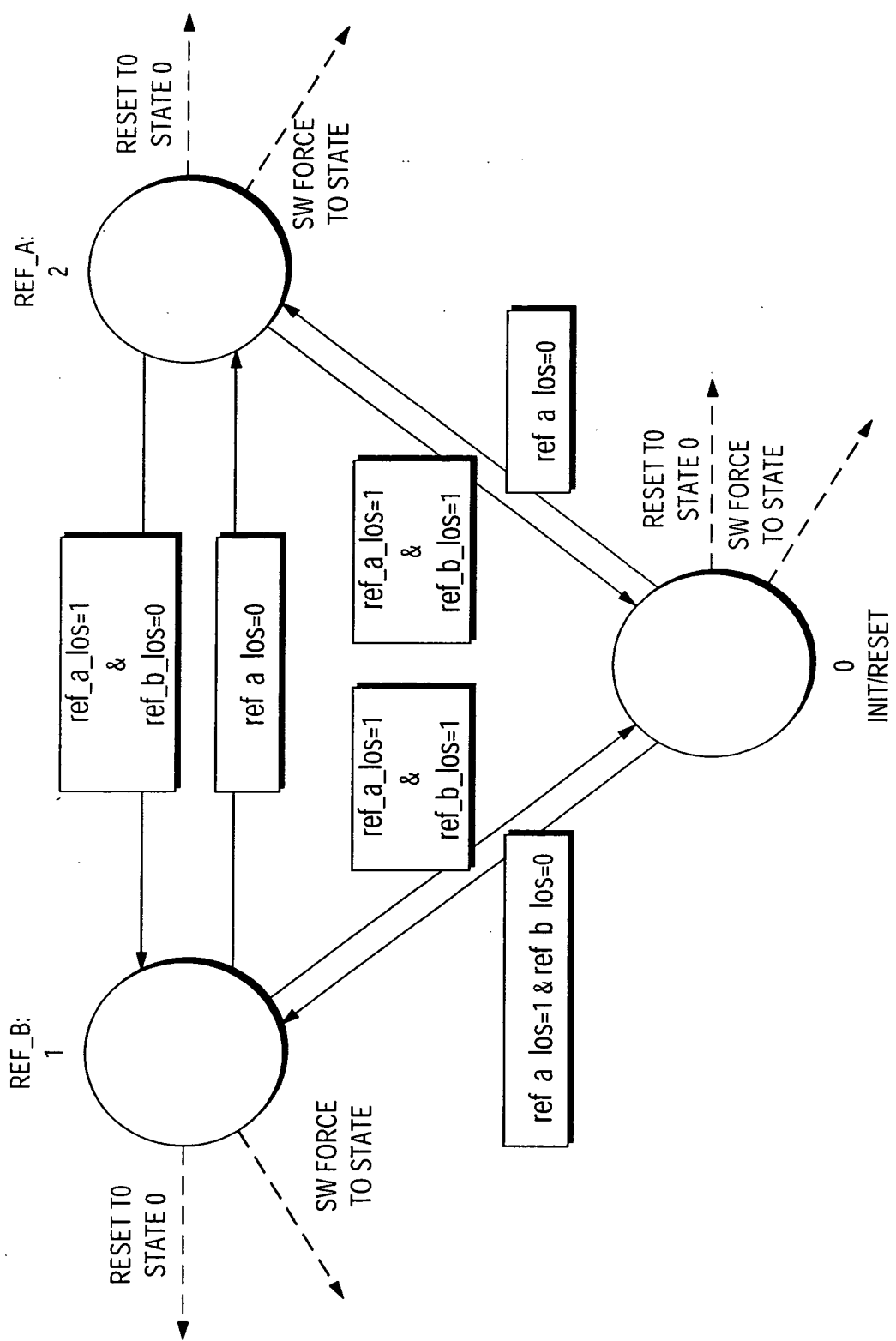


FIG. 48

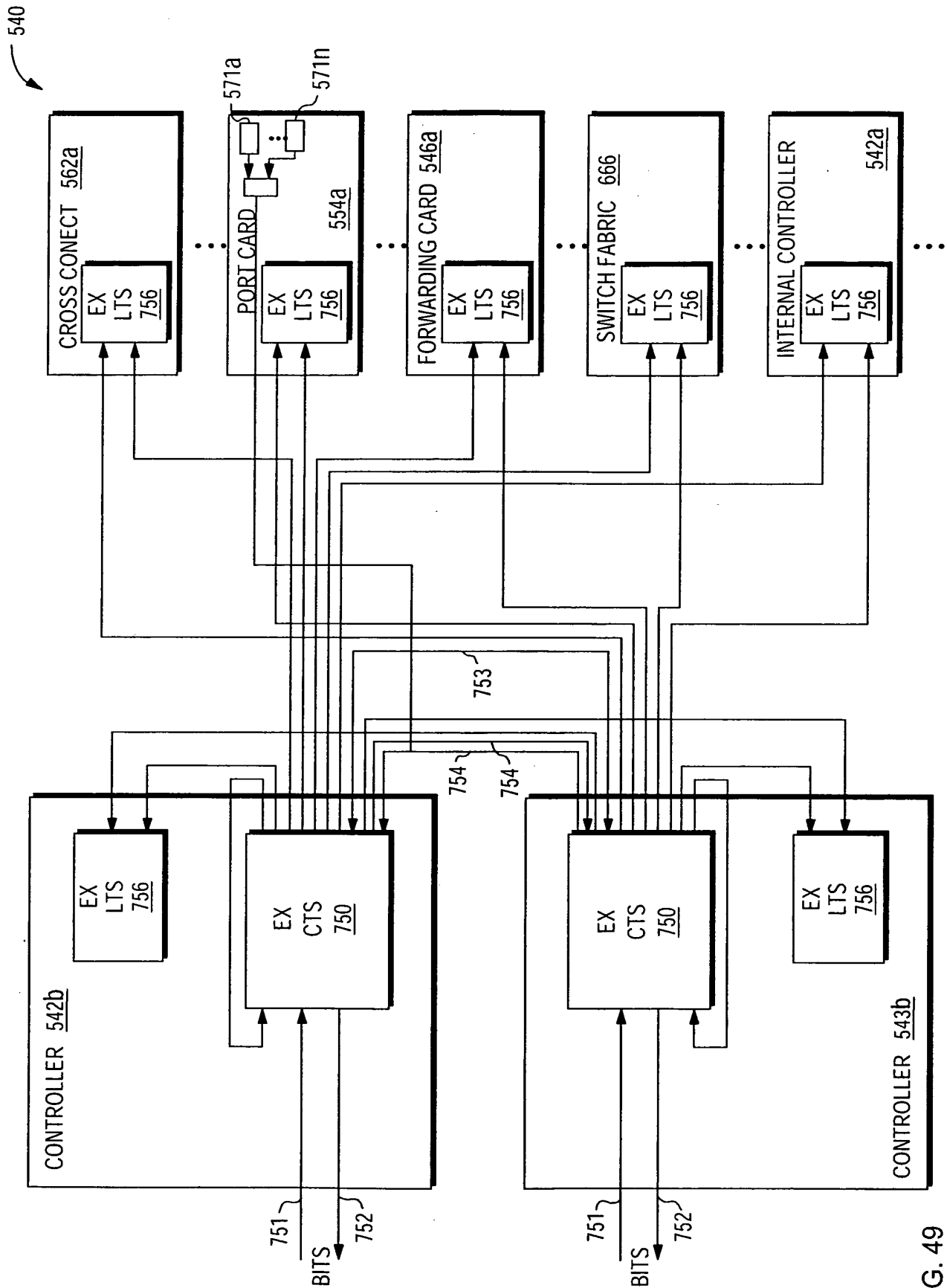


FIG. 49



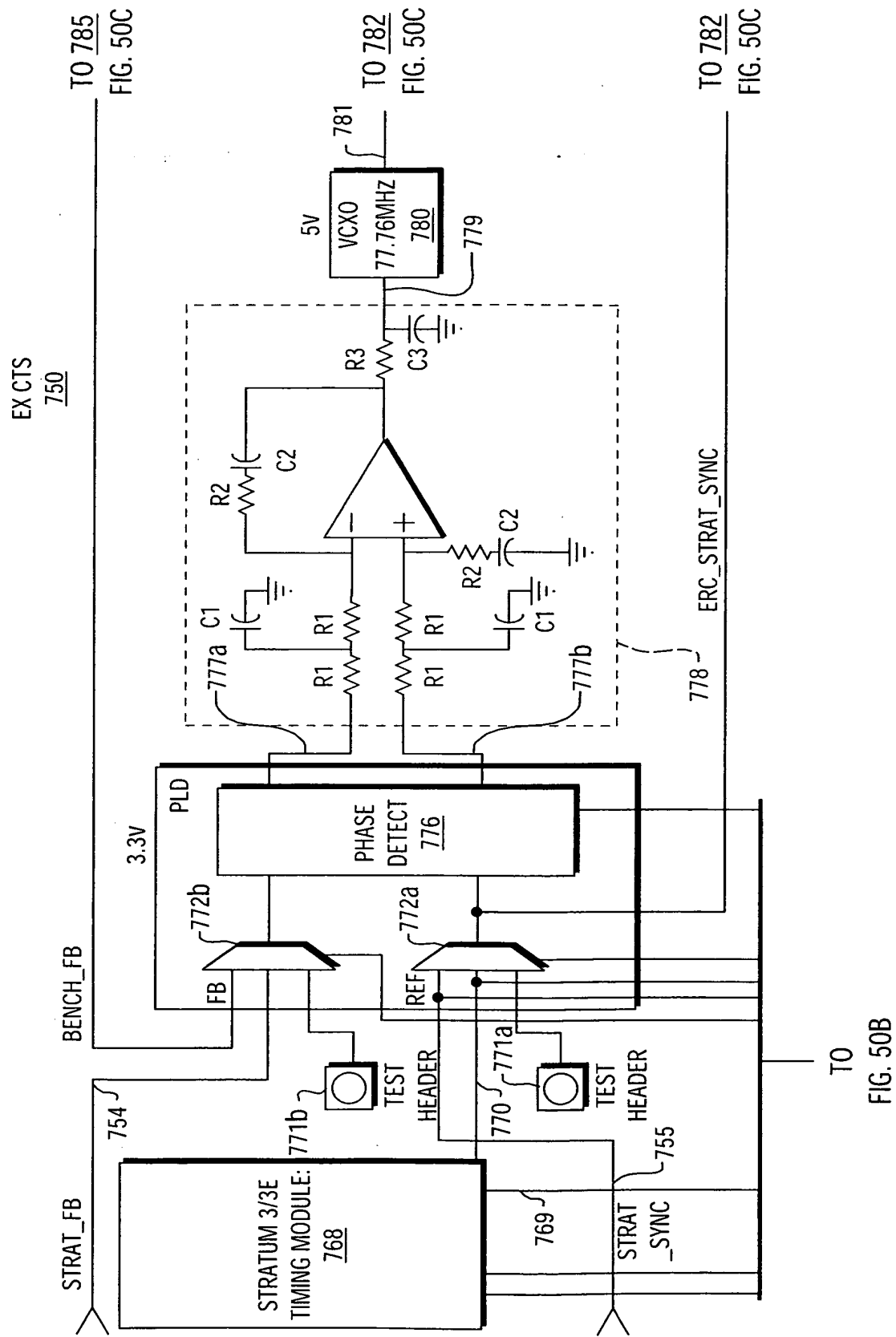


FIG. 50A

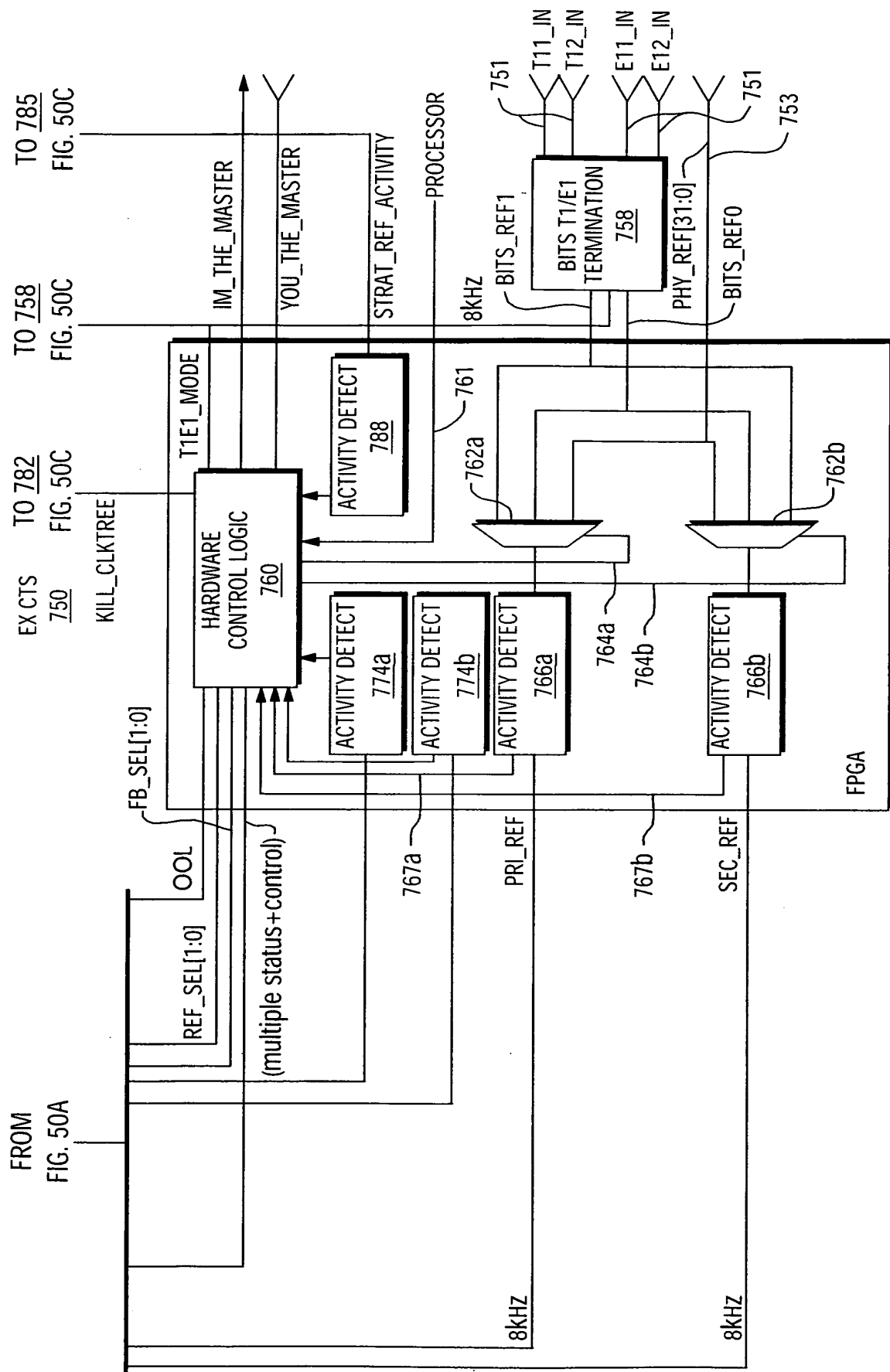


FIG. 50B

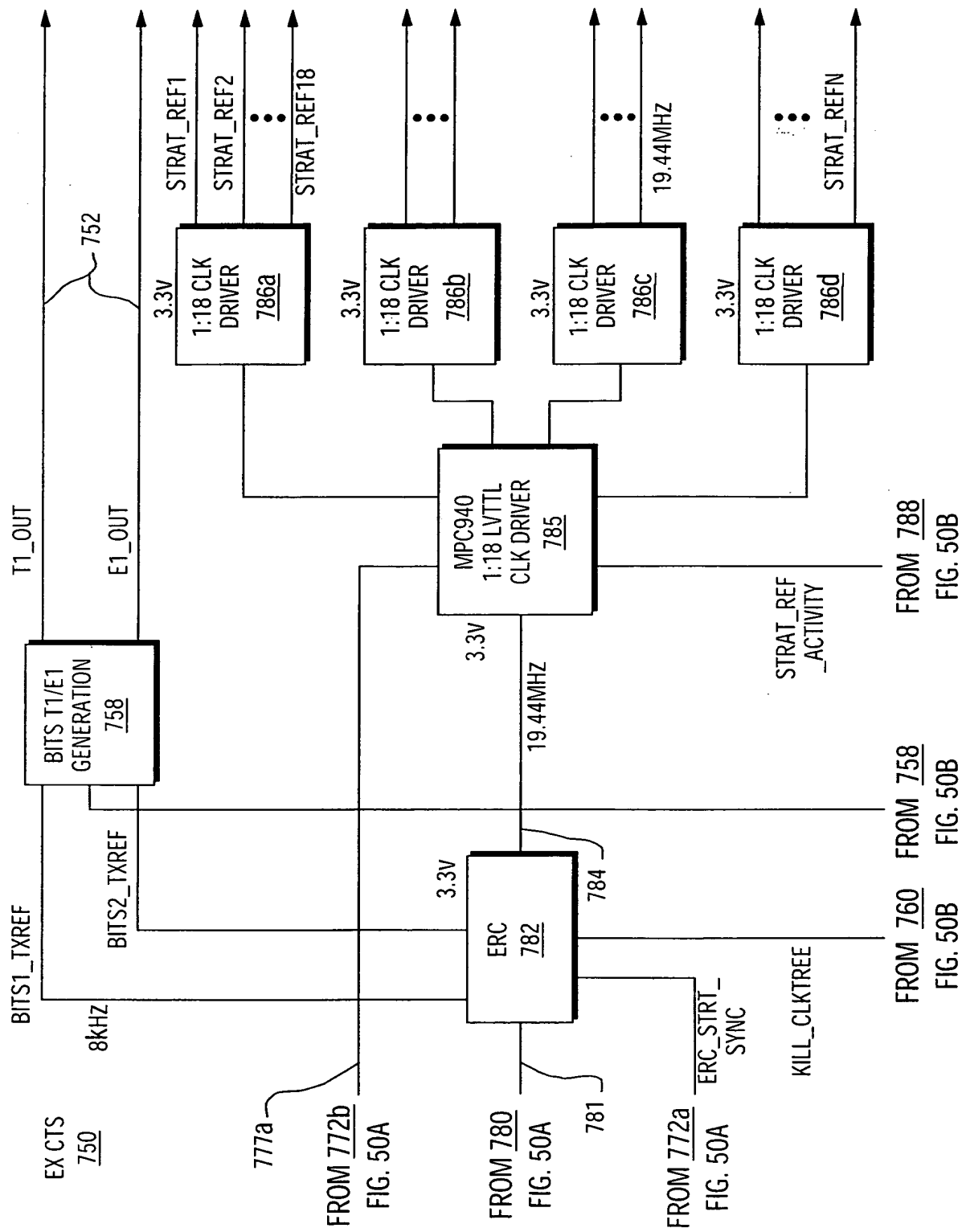


FIG. 50C

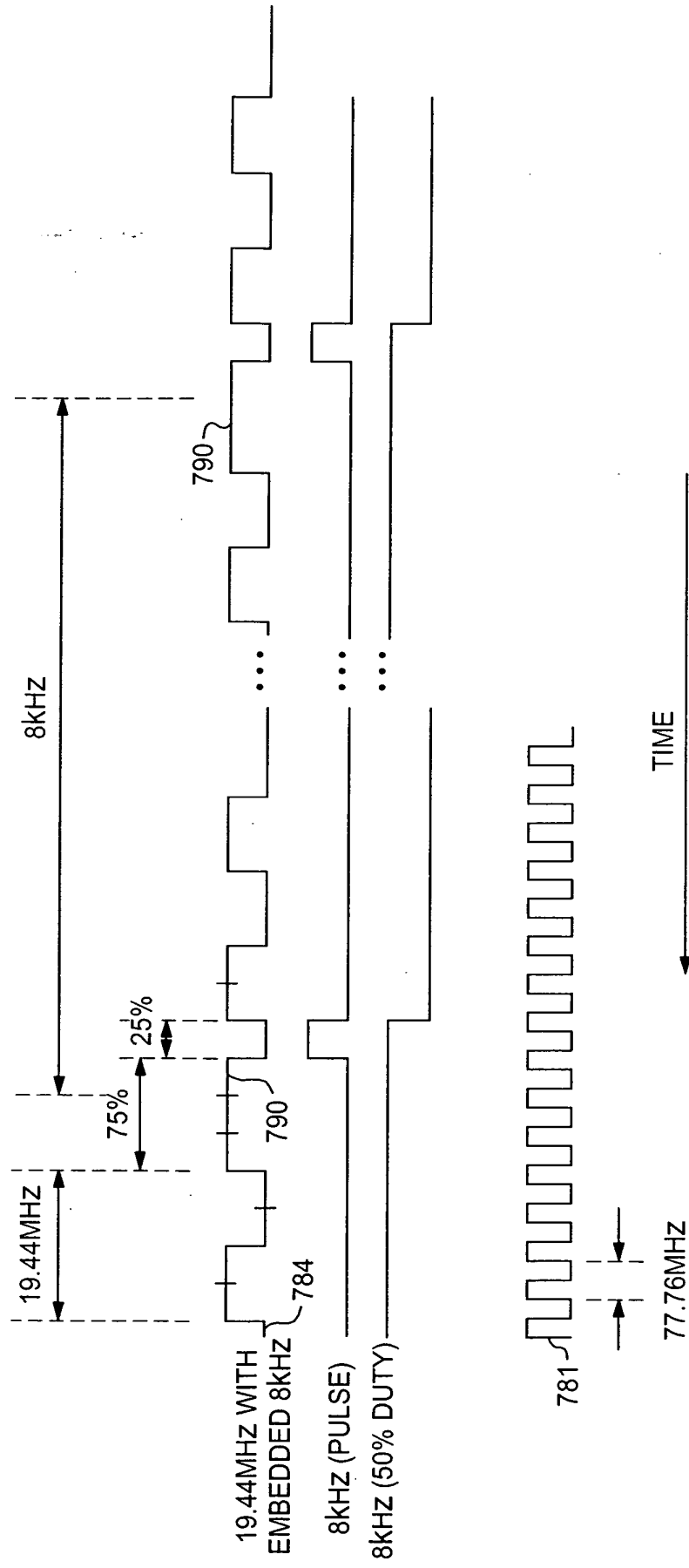


FIG. 51

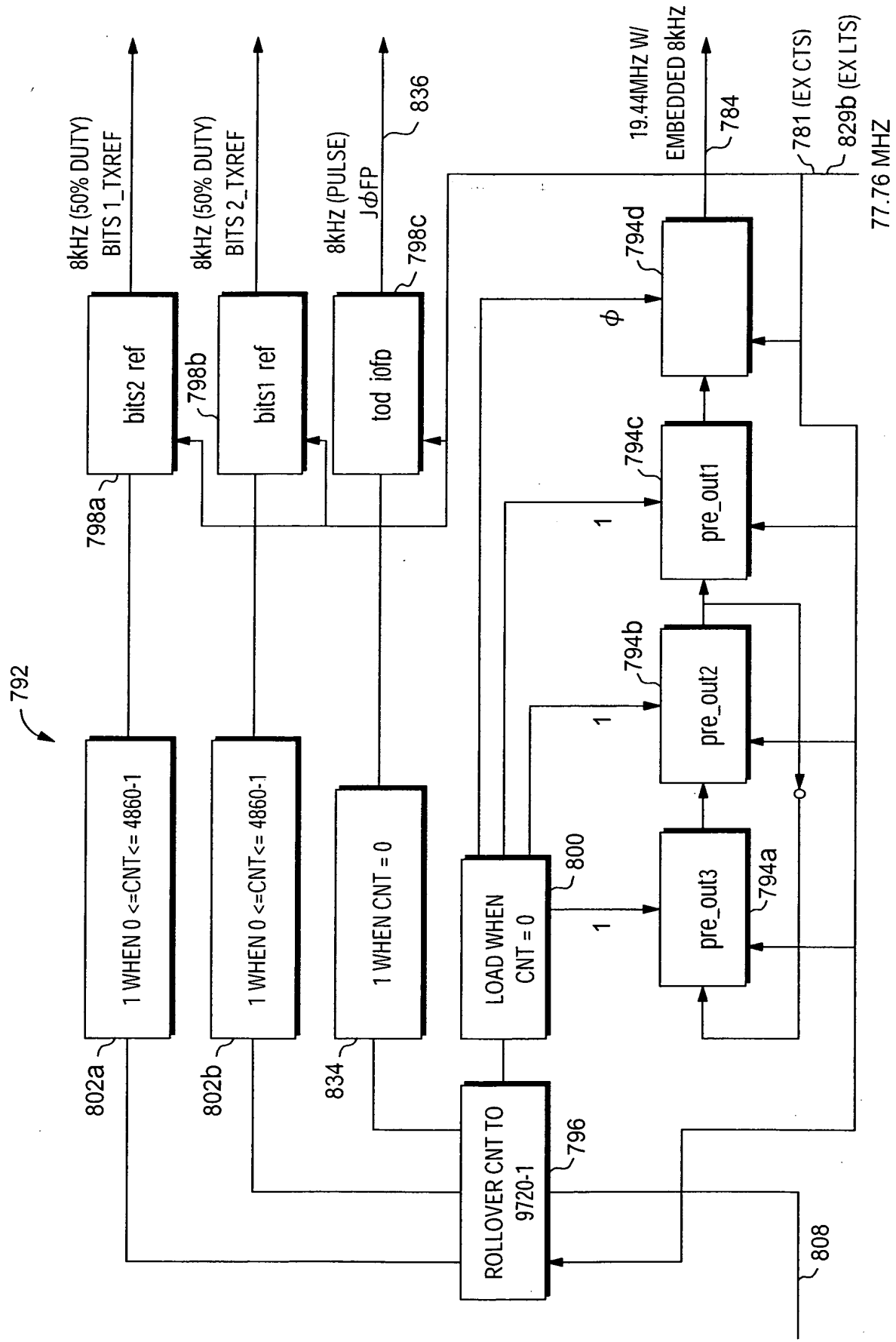


FIG. 52

EXTRACTOR  
804

ERC\_STRAT\_SYNC (EX CTS)  
 STRAT\_REF\_A OR STRAT\_REF\_B (EX LTS) 832  
 19.44MHz WITH ENCLOSED 8kHz  
 (MUST BE PULLED LOW WHEN NOT PRESENT)

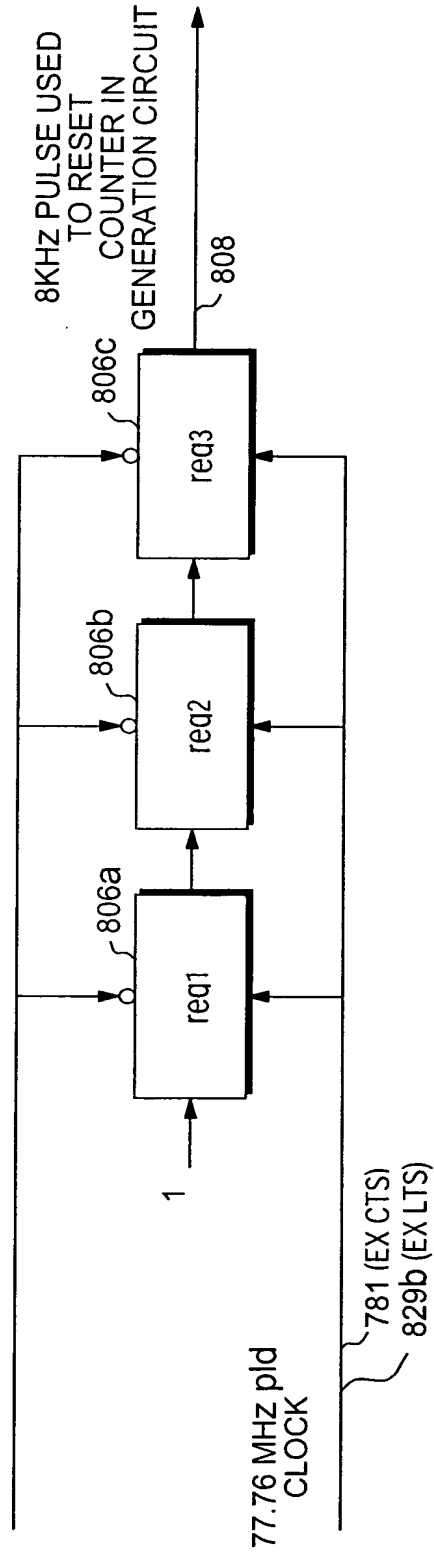


FIG. 53

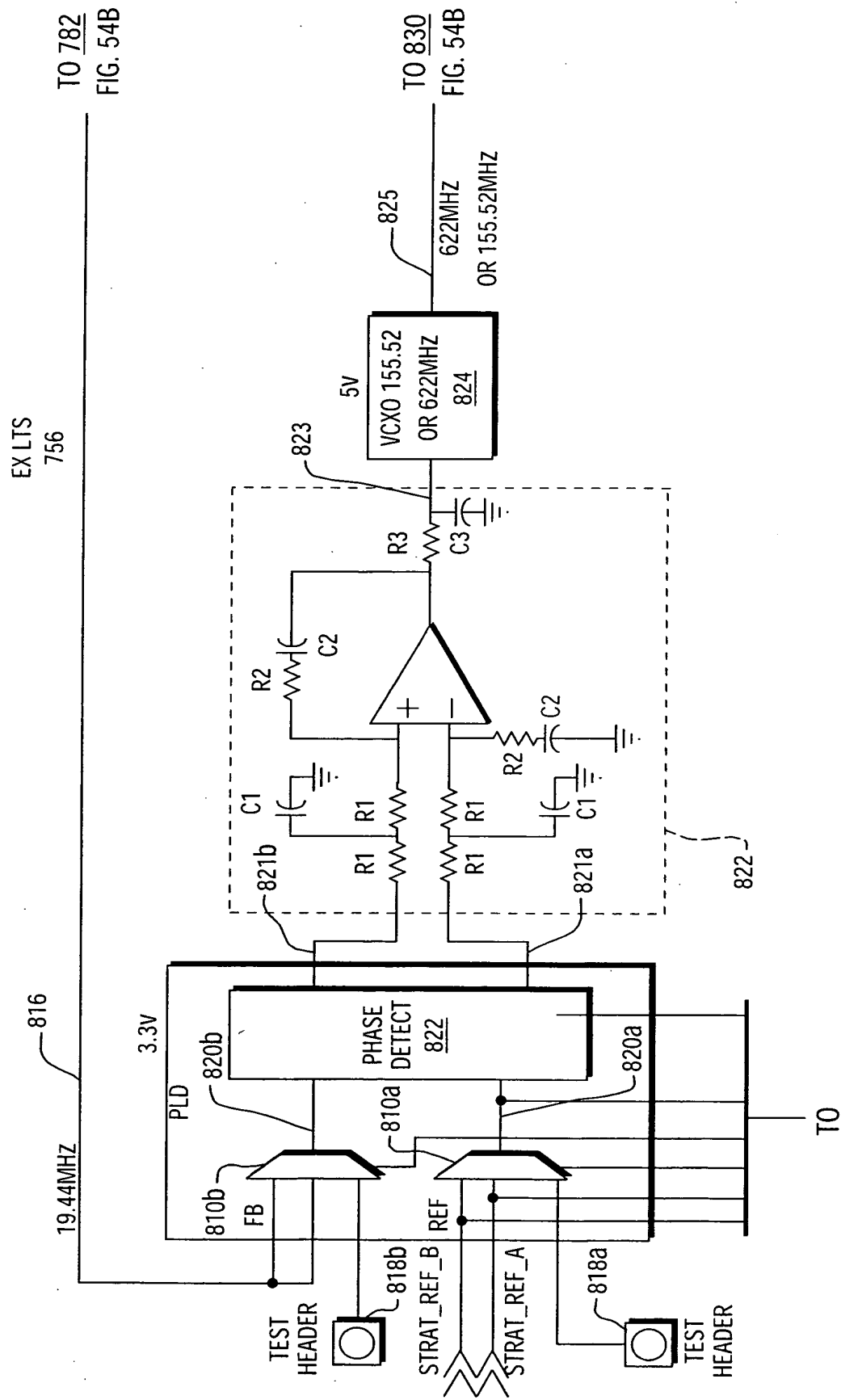


FIG. 54A

FIG. 54B

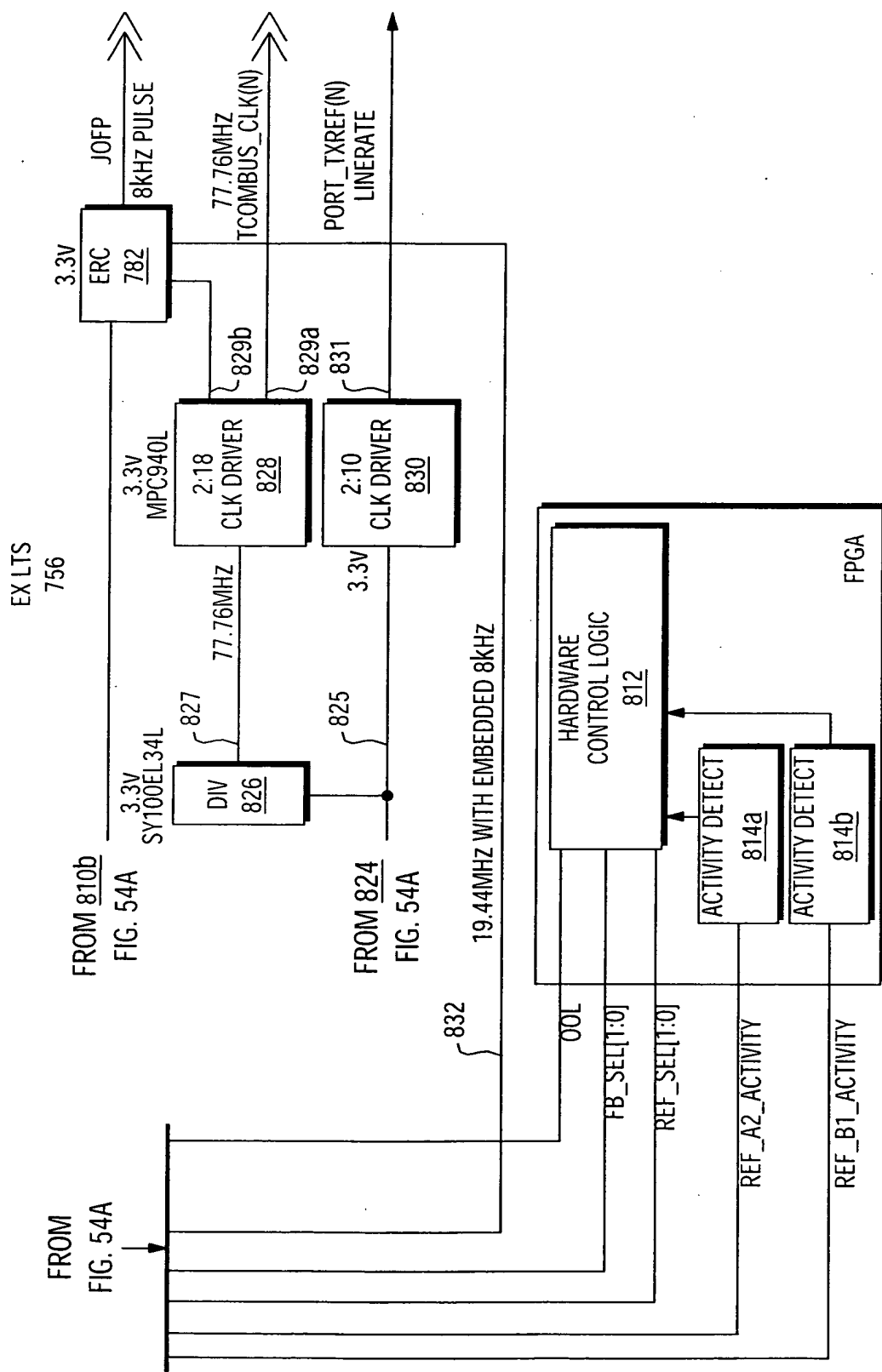


FIG. 54B



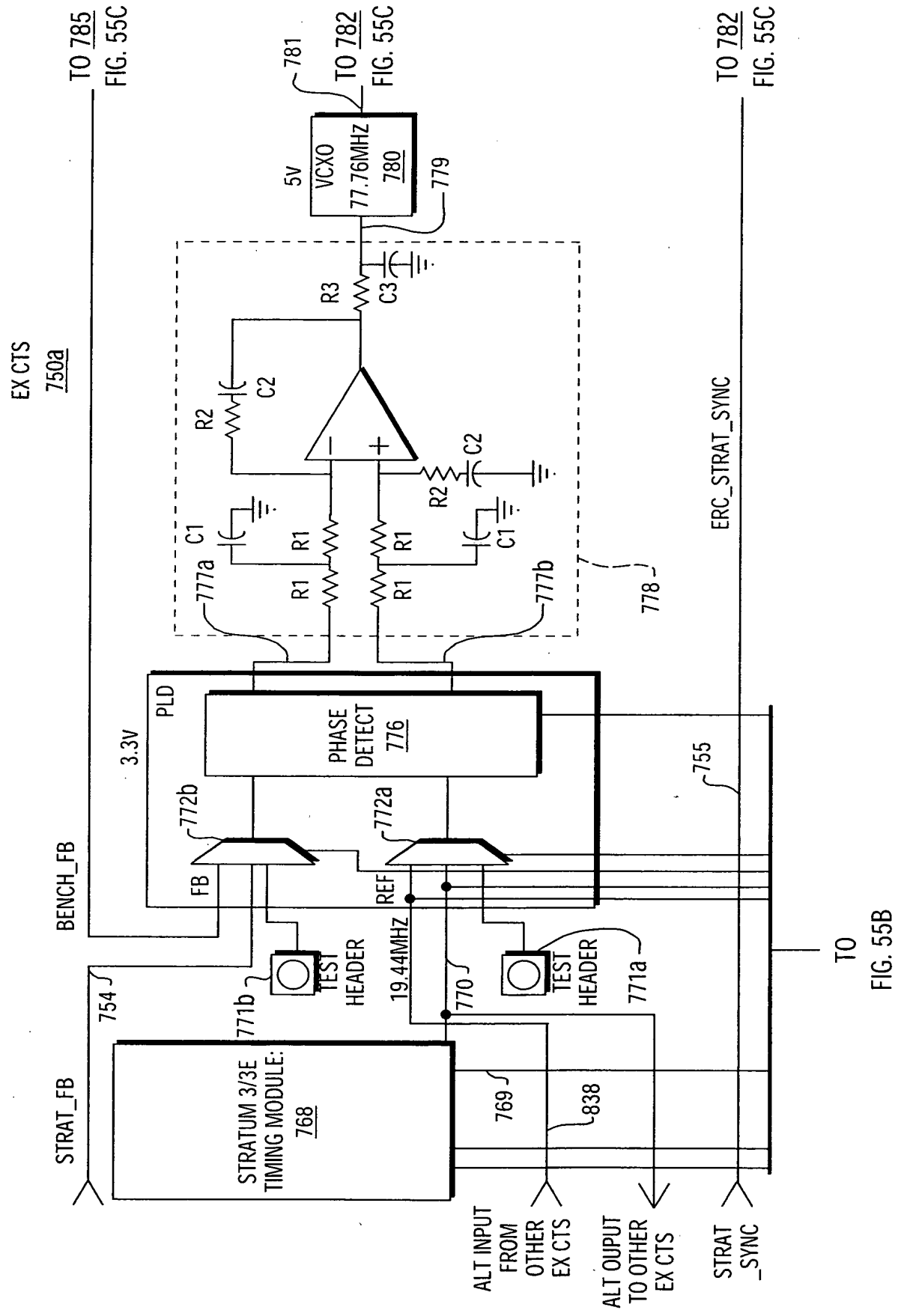
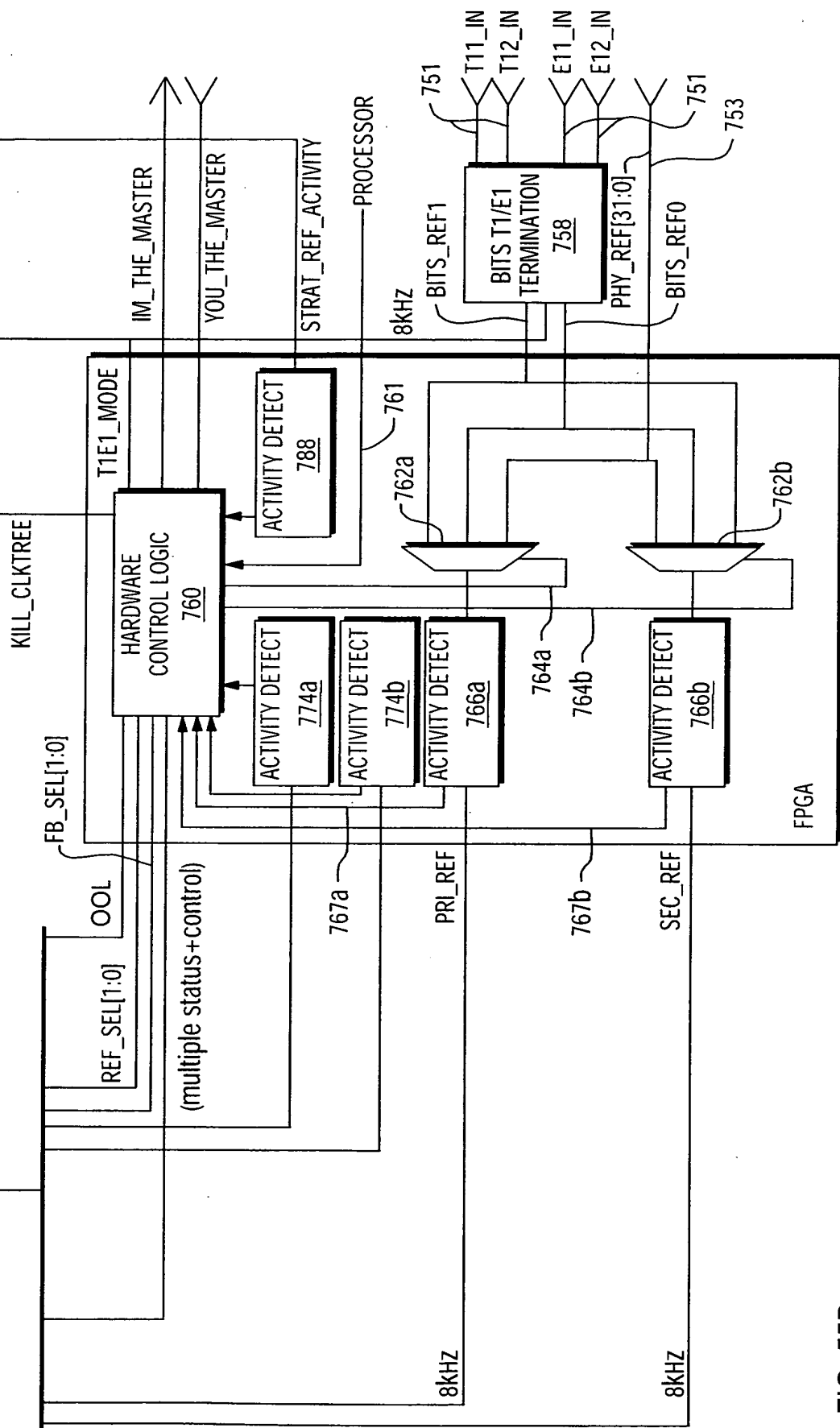


FIG. 55A

FROM  
FIG. 55A

|          |          |          |
|----------|----------|----------|
| T0 782   | T0 758   | T0 785   |
| FIG. 55C | FIG. 55C | FIG. 55C |



**FIG. 55B**

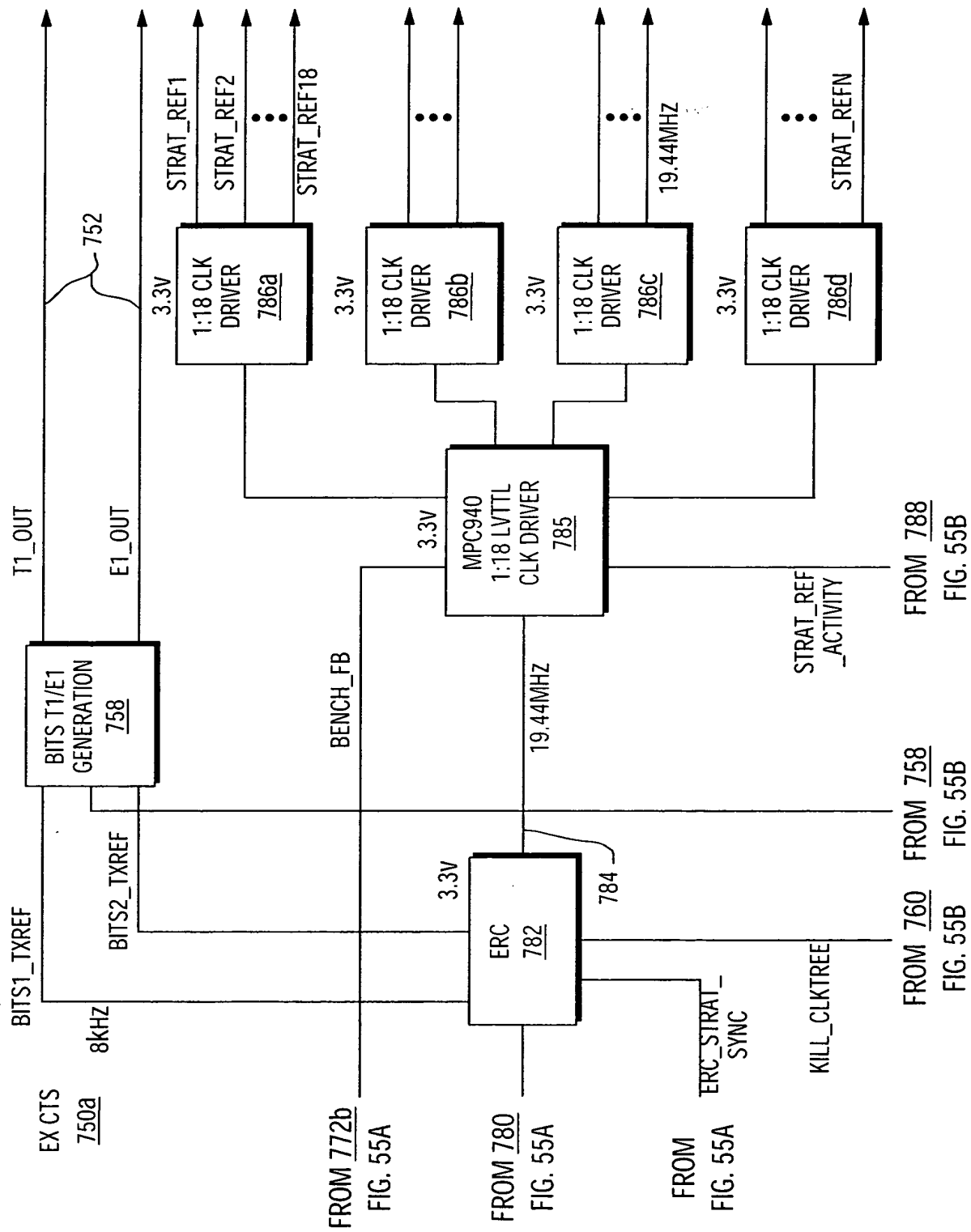


FIG. 55C

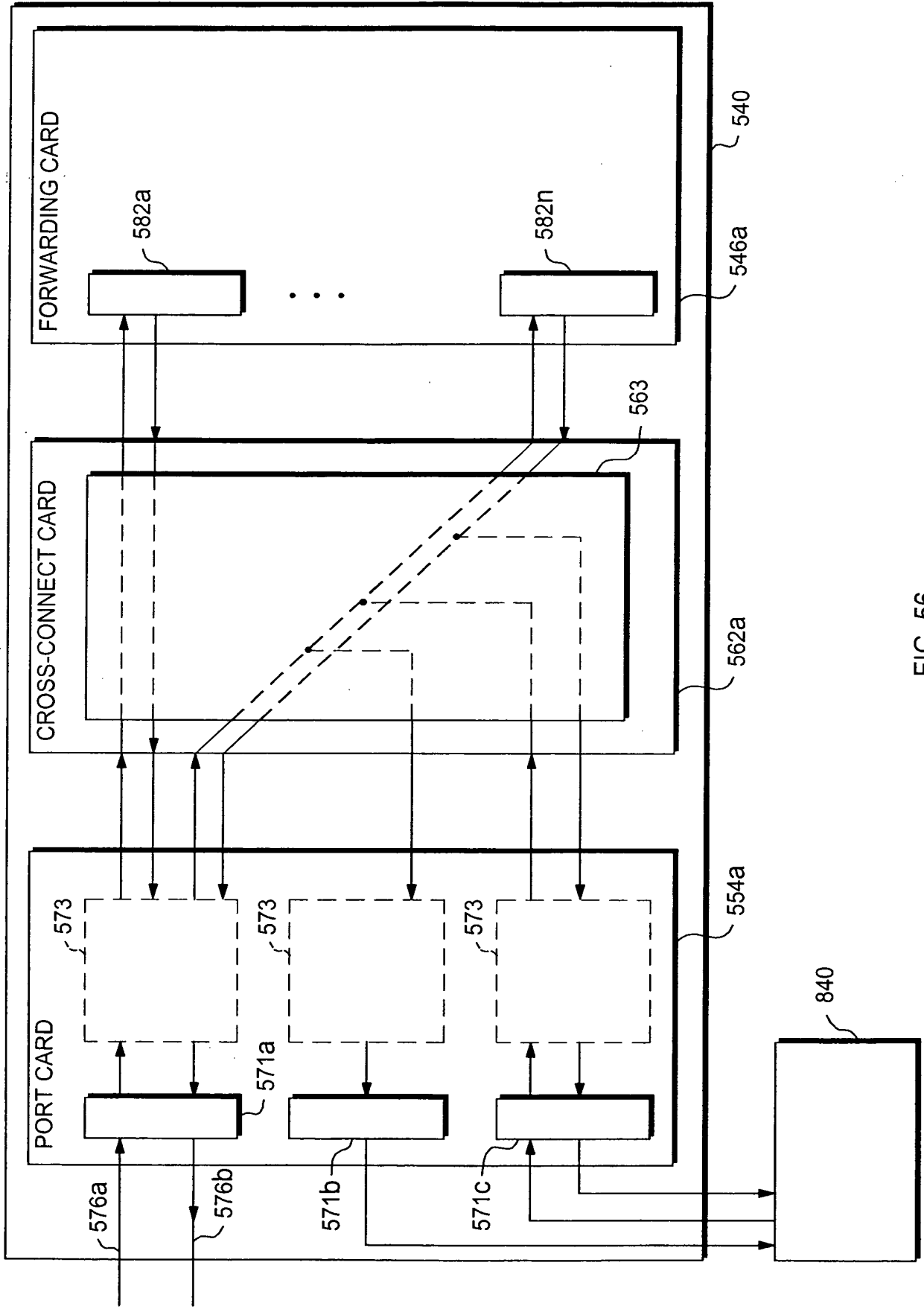


FIG. 56

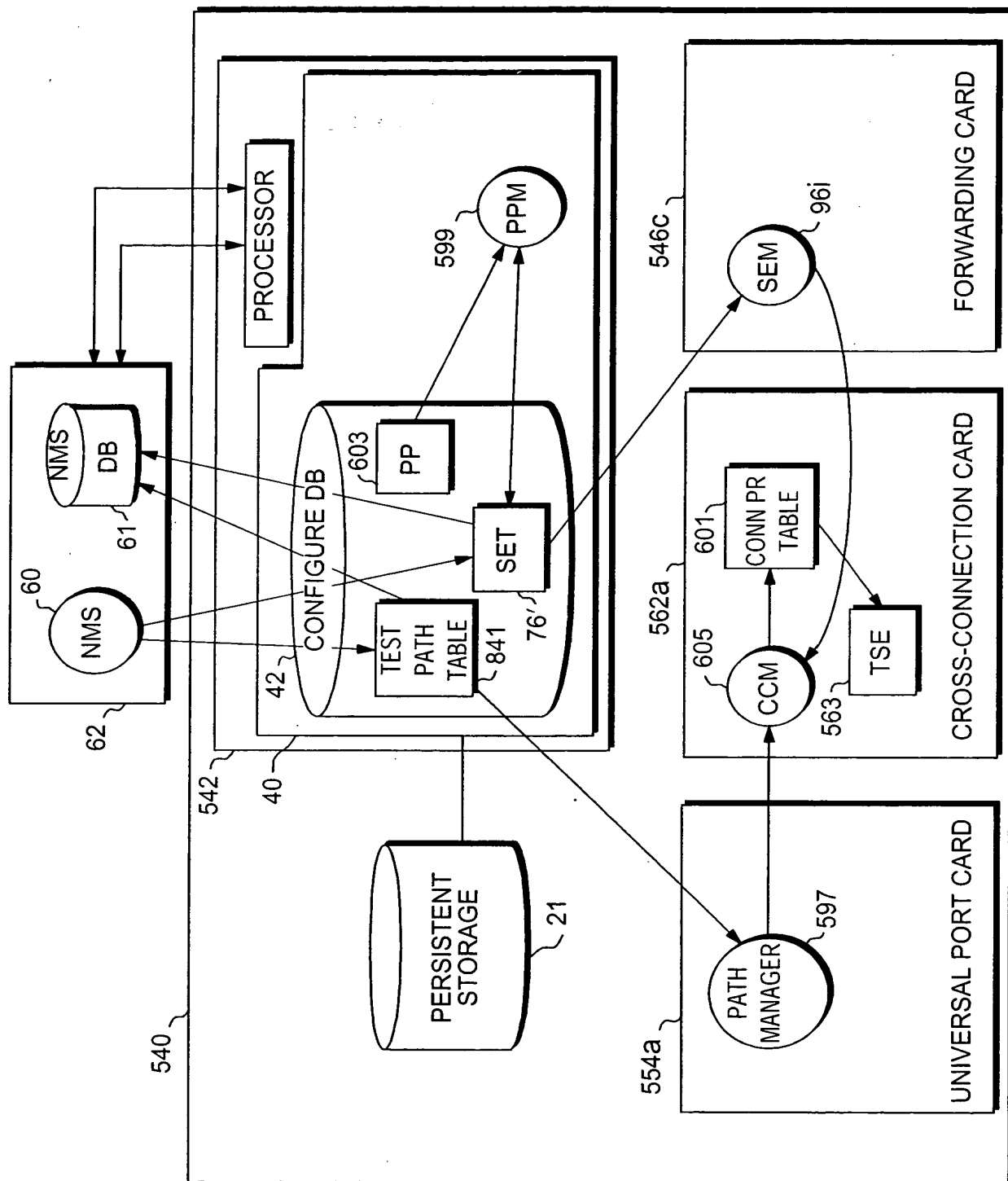


FIG. 57

TEST PATH TABLE 841

| 844      |             |           | 845             |         |                      |     |
|----------|-------------|-----------|-----------------|---------|----------------------|-----|
| PATH LID | UP PORT LID | TIME SLOT | # OF TIME SLOTS | MONITOR | ENABLE PORT RECEIVER | ... |
| 1666     | 1232        | 4         | 3               | INGRESS | NO                   |     |
| 1666     | 1233        | 4         | 3               | EGRESS  | NO                   |     |
| 1666     | 1233        | 4         | 3               | INGRESS | YES                  |     |
| .        | .           | .         | .               |         |                      | .   |
| .        | .           | .         | .               |         |                      | .   |
| .        | .           | .         | .               |         |                      | .   |

FIG. 58